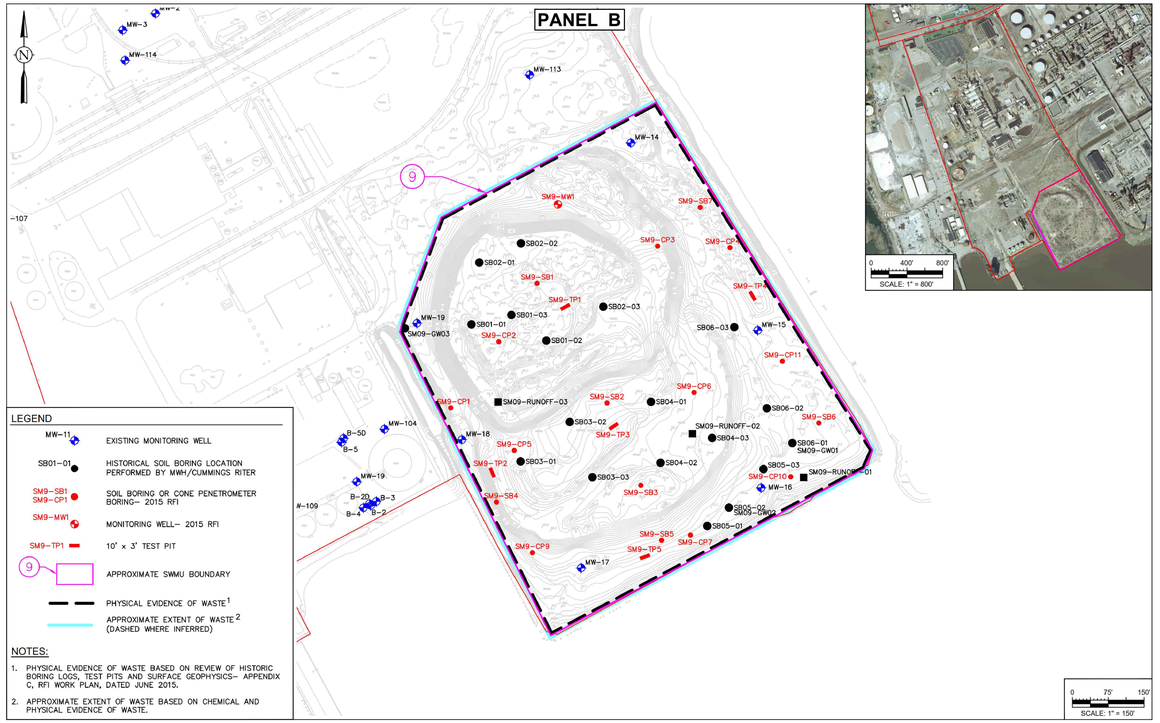


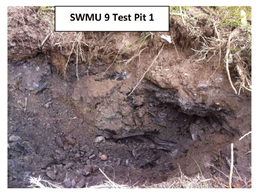
PANEL A

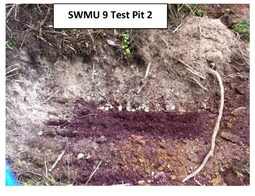
SWMU 9

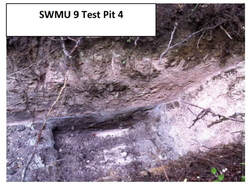
Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

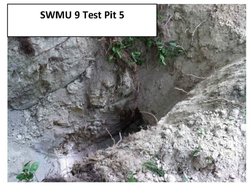
Waste Estimates	
Perimeter (ft)	3,122
Depth (ft)	25-45
Surficial Area (ft^2)	634,260
Volume (ft^3)	22,199,200

Analytes that Exceed the Groundwater RSLs			
Alpha-BHC	Cadmium	1,4-Dichlorobenzene	Manganese
Aluminum	Chloroform	1,2-Dichloroethane	N-Nitrosodiphenylamine
Antimony	Chlorobenzene	1,2-Dichloropropane	Selenium
Arsenic	Cobalt	Gamma-BHC (Lindane)	Tetrachloroethene
Benzene	4,4'-DDD	Iron	Trichloroethene
Beta-BHC	4,4'-DDE		



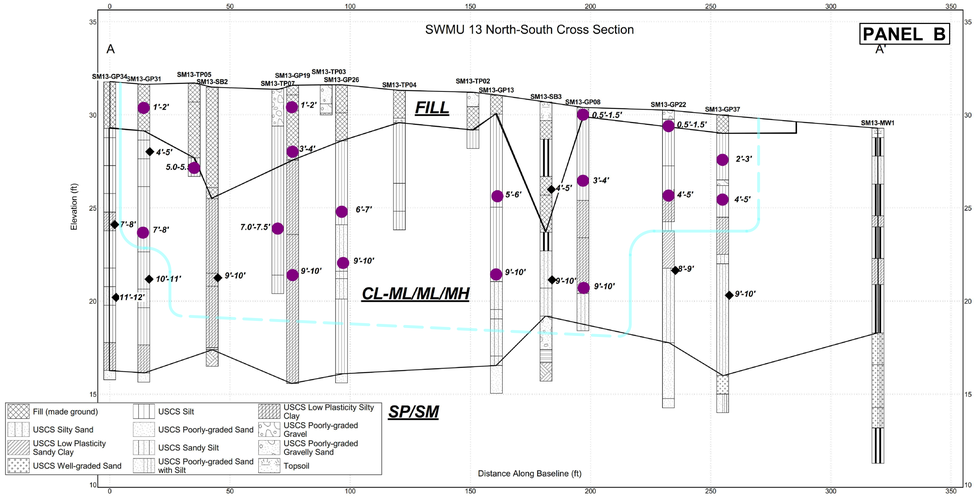






Honeywell DELAWARE VALLEY WORKS CLAYMONT, DELAWARE	Amec Foster Wheeler Environment and Infrastructure, Inc. 751 Arbor Way, Suite 180 Blue Bell, Pennsylvania 19422 (610) 828 - 8100	PREPARED BY: PJC CHECKED BY: JP REVIEWED BY: JPM	**PLATE 1** **SWMU 9** **SOILS DATA AND WASTE EXTENT** **HONEYWELL - DELAWARE VALLEY WORKS CLAYMONT, DE**	PROJECT NO.: 7772150016 REVISION NO.: 0 DATE: MARCH 2016

PANEL B



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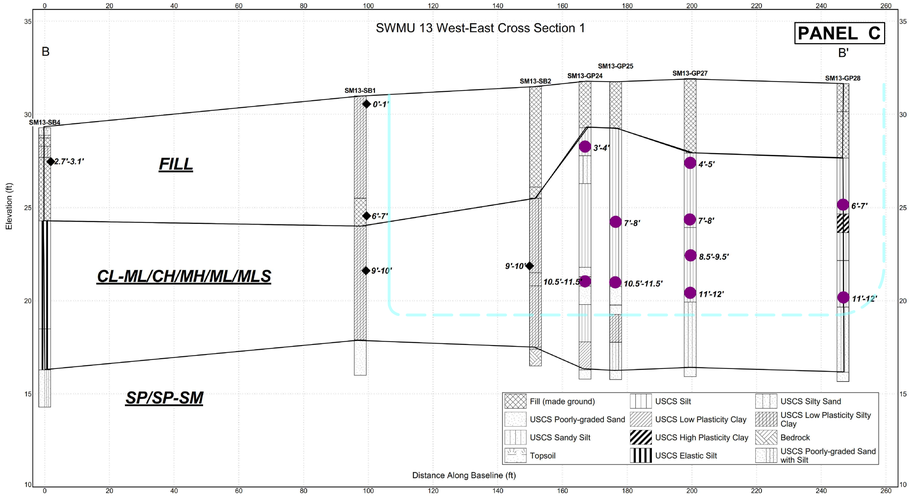

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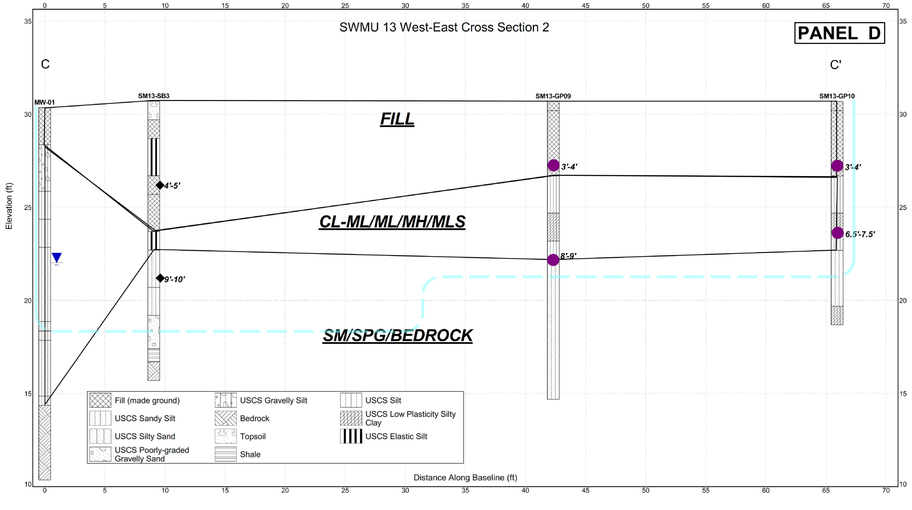
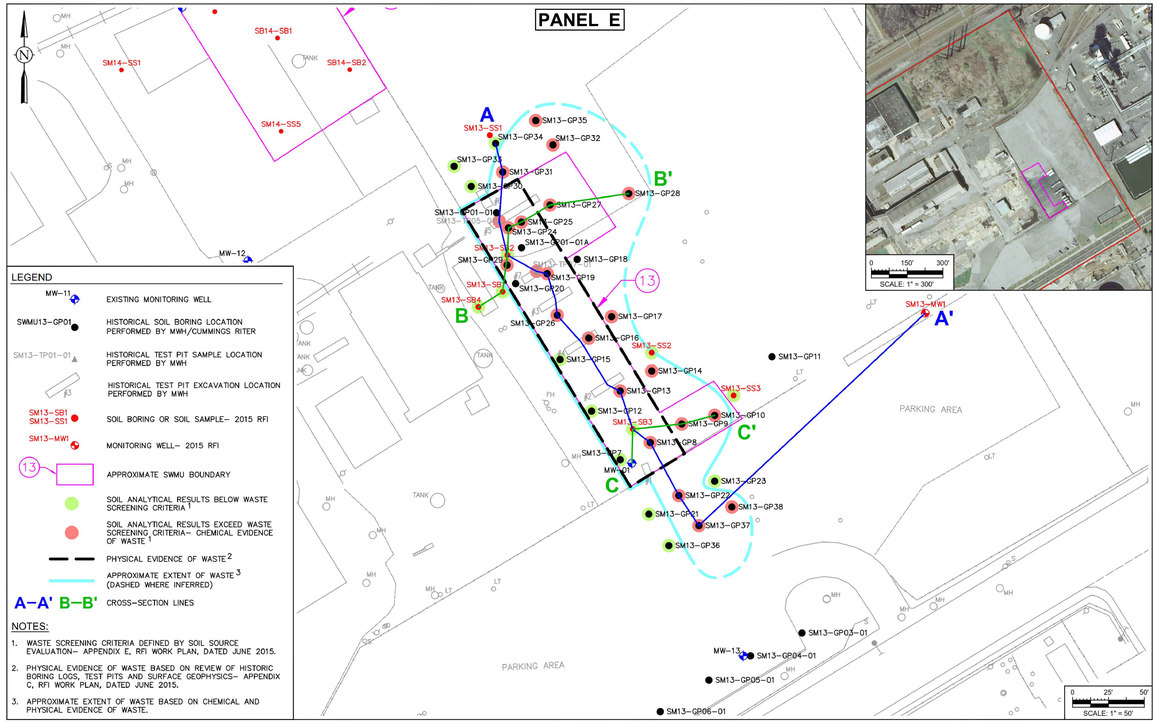


CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY
CL-ML	USCS LOW PLASTICITY SILTY CLAY
CH	USCS HIGH PLASTICITY CLAY
GP	USCS POORLY-GRADED GRAVEL
ML	USCS SILT
MH	USCS ELASTIC SILT
MLS	USCS SANDY SILT
SM	USCS SILTY SAND
SPG	USCS POORLY-GRADED GRAVELLY SAND
SP-SM	USCS POORLY-GRADED SAND WITH SILT
SP	USCS POORLY-GRADED SAND
SW-SM	USCS WELL-GRADED SAND WITH SILT
SWG	USCS WELL-GRADED GRAVELLY SAND
◆	SAMPLE LOCATIONS
●	SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
▼	WATER LEVELS WERE COLLECTED IN OCTOBER 2016
	APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)

PANEL E



LEGEND

- MW-11 — EXISTING MONITORING WELL
- SWMU13-GP01 — HISTORICAL SOIL BORING LOCATION PERFORMED BY MWH/CUMMINGS RITER
- SM13-TP01-01 — HISTORICAL TEST PIT SAMPLE LOCATION PERFORMED BY MWH
- HISTORICAL TEST PIT EXCAVATION LOCATION PERFORMED BY MWH
- SM13-SB1, SM13-SS1 — SOIL BORING OR SOIL SAMPLE– 2015 RFI
- SM13-MW1 — MONITORING WELL– 2015 RFI
- 1.3 — APPROXIMATE SWMU BOUNDARY
- SOIL ANALYTICAL RESULTS BELOW WASTE SCREENING CRITERIA [1]
- SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE [1]
- PHYSICAL EVIDENCE OF WASTE [2]
- APPROXIMATE EXTENT OF WASTE [3] (DASHED WHERE INFERRED)
- A–A' B–B' — CROSS–SECTION LINES

NOTES:

1. WASTE SCREENING CRITERIA DEFINED BY SOIL SOURCE EVALUATION– APPENDIX E, RFI WORK PLAN, DATED JUNE 2015.
2. PHYSICAL EVIDENCE OF WASTE BASED ON REVIEW OF HISTORIC BORING LOGS, TEST PITS AND SURFACE GEOPHYSICS– APPENDIX C, RFI WORK PLAN, DATED JUNE 2015.
3. APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE.

PANEL A

SWMU 13

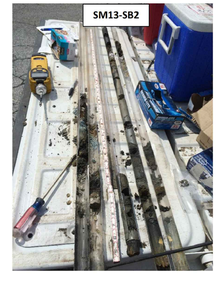
Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	884
Depth (ft)	7 - 13
Surficial Area (ft^2)	26,970
Volume (ft^3)	279,860

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
Alpha-BHC	0.036	SM13-GP31, SM13-TP07
Aniline	3.9	SM13-GP10, SM13-TP07
1,3-Dinitrobenzene	1.4	SM13-GP27, SM13-TP07
2,6-Dinitrotoluene	0.058	SM13-GP08, SM13-GP09, SM13-GP10, SM13-GP13, SM13-GP14, SM13-GP16, SM13-GP17, SM13-GP19, SM13-GP22, SM13-GP22, SM13-GP24, SM13-GP25, SM13-GP27, SM13-GP28, SM13-GP28, SM13-GP29, SM13-GP31, SM13-GP32, SM13-GP35, SM13-GP37, SM13-GP38, SM13-TP05, SM13-TP07.
5-Nitro-o-toluidine	3.9	SM13-GP14, SM13-GP19, SM13-GP27
Tetrachloroethene	111	SM13-GP19, SM13-GP29, SM13-TP07
Toluene	289	SM13-GP19

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs

alpha-BHC	1,2-Dichlorobenzene	Manganese
Arsenic	1,4-Dichlorobenzene	Methylene Chloride
Benzene	1,1-Dichloroethene	Naphthalene
Benzo(b)fluoranthene	cis-1,2-Dichloroethene	N-Nitrosodiphenylamine
beta-BHC	Ethylbenzene	Tetrachloroethene
4-Chloroaniline	Indeno(1,2,3-cd)pyrene	Trichloroethene
Chloroform	Iron	Vinyl Chloride



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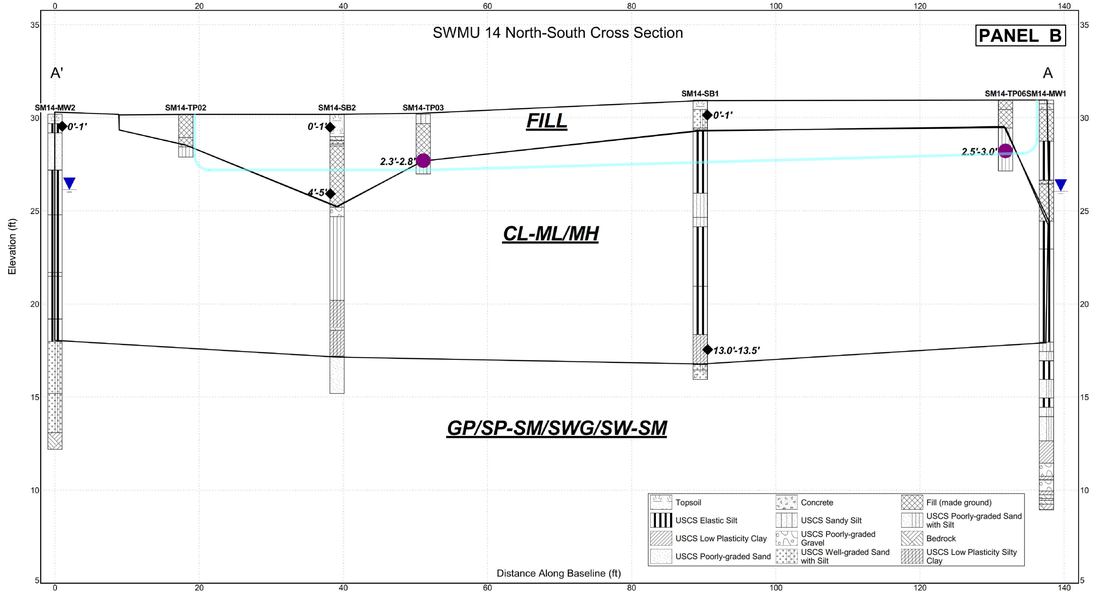
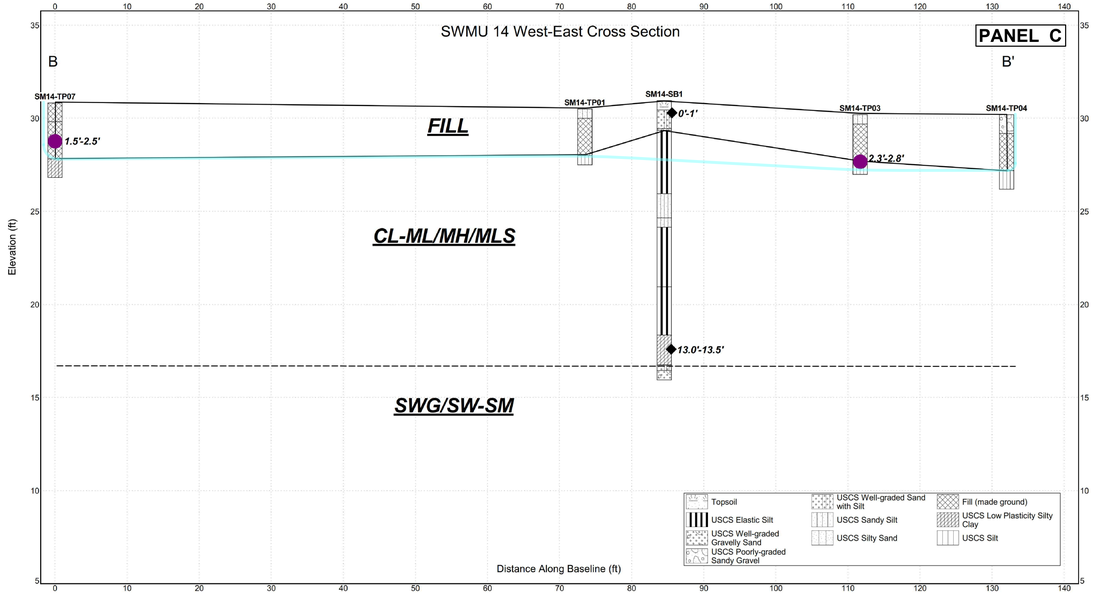
PREPARED BY:	PJC
CHECKED BY:	JP
REVIEWED BY:	JPM

PLATE 2
SWMU 13
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016

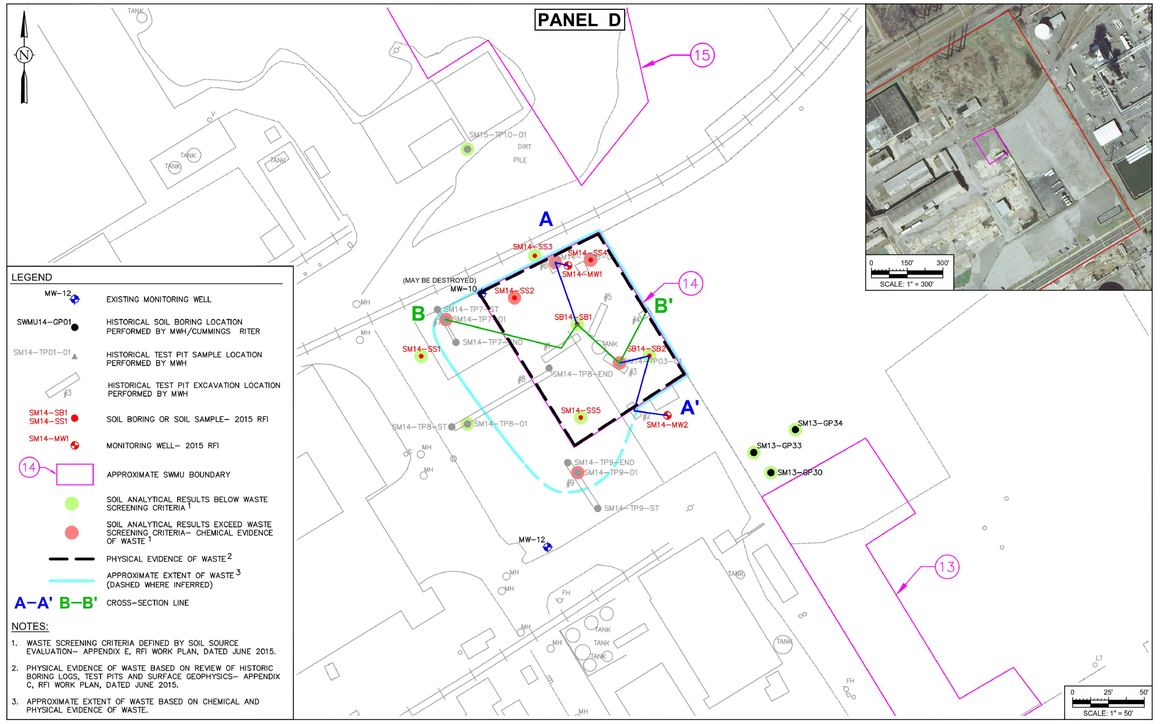




CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

- SAMPLE LOCATIONS
- SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
- WATER LEVELS WERE COLLECTED IN OCTOBER 2016
- APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)



PANEL A

SWMU 14

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
alpha-BHC	0.036	SM14-TP03, SM14-TP06, SM14-TP07, SM14-TP09, SM14-SS2
beta-BHC	0.13	SM14-TP03, SM14-TP06, SM14-TP07, SM14-TP09, SM14-SS2
1,3-Dinitrobenzene	1.4	SM14-TP06
2,6-Dinitrotoluene	0.058	SM14-TP03, SM14-TP06, SM14-SS4

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	1,1-Dichloroethene	Naphthalene
Arsenic	cis-1,2-Dichloroethene	Nitrobenzene
Benzene	trans-1,2-Dichloroethene	Tetrachloroethene
Beta-BHC	Ethylbenzene	Vinyl Chloride
1,1-Biphenyl	bis(2-Ethylhexyl)phthalate	m+p-Xylene
Chloroform	Iron	Xylene (Total)
4,4'-DDD	Manganese	

Waste Estimates	
Perimeter (ft)	533
Depth (ft)	3
Surficial Area (ft²)	18,630
Volume (ft³)	55,890


SM14-SB1


SM14-SB2

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CHECKED BY:	JP
REVIEWED BY:	JPM

PLATE 3
SWMU 14
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016

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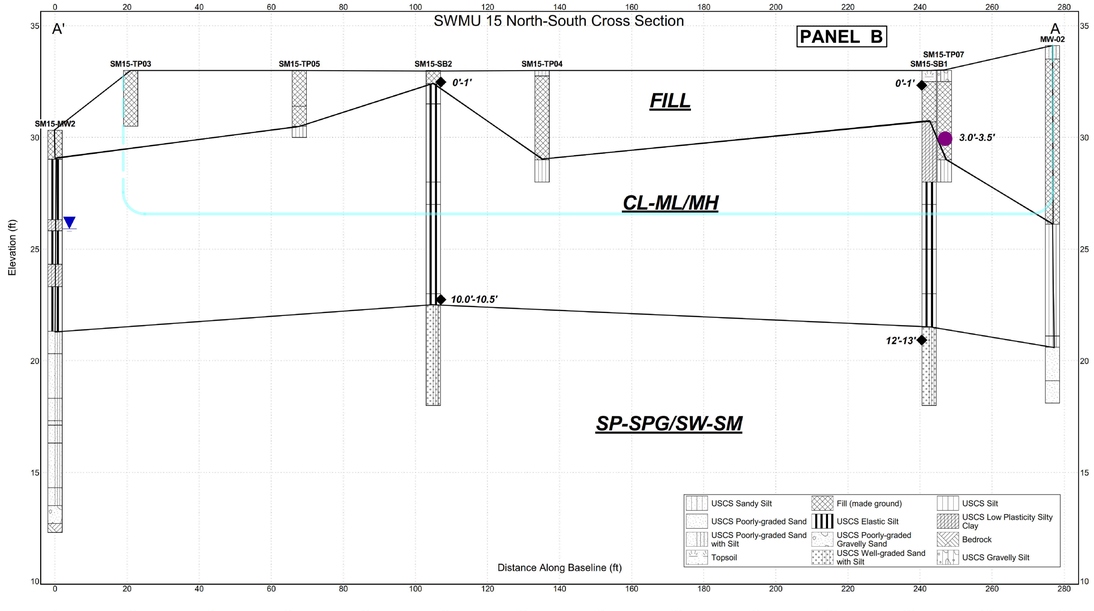

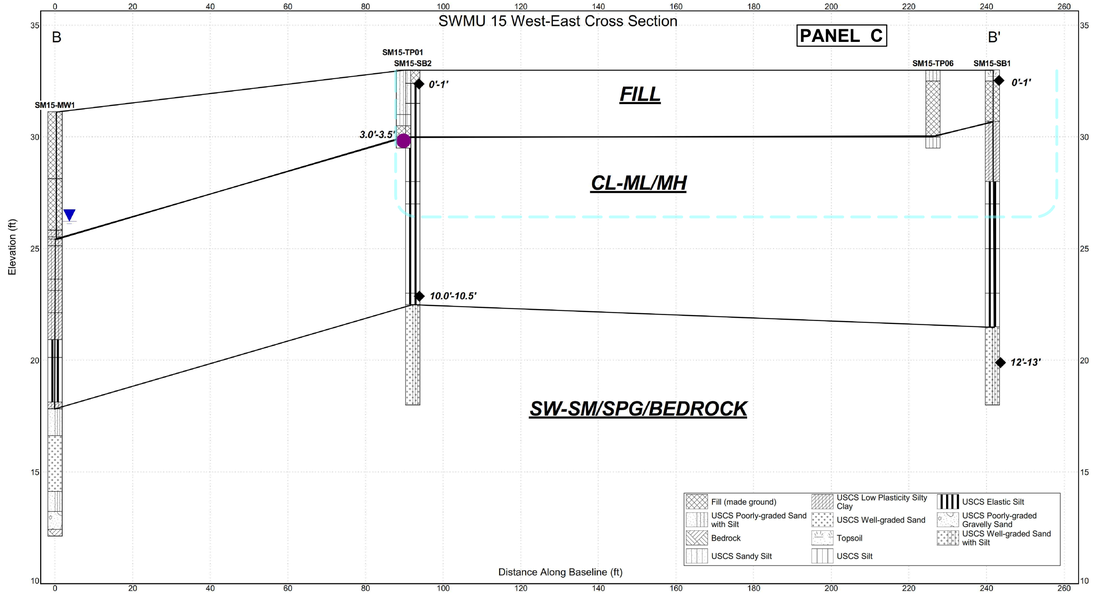

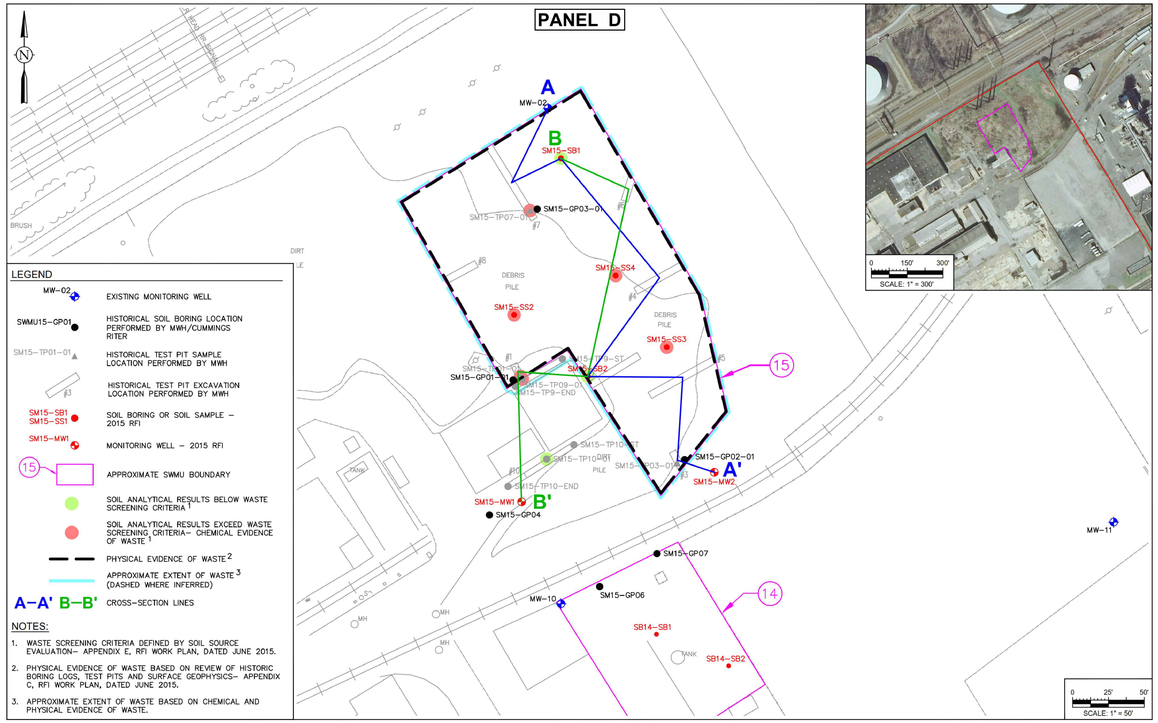

PANEL A

SWMU 15

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	801
Depth (ft)	7
Surficial Area (ft^2)	32,770
Volume (ft^3)	212,970

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
beta-BHC	0.13	SM15-TP01, SM15-SS2, SM15-SS3, SM15-SS4
2,6-Dinitrotoluene	0.058	SM15-TP07, SM15-TP09

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	4,4-DDD	Iron
Arsenic	4,4-DDT	Manganese
Beta-BHC	1,2-Dichlorobenzene	Naphthalene
Benzene	1,4-Dichlorobenzene	Nitrobenzene
Benzo(b)fluoranthene	1,2-Dichloroethane	Tetrachloroethene
Chloroform	1,1-Dichloroethene	1,1,2-Trichloroethane
Cobalt	cis-1,2-Dichloroethene	Vinyl Chloride

SM15-SB2

CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY–GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY–GRADED SAND WITH SILT
GP	USCS POORLY–GRADED GRAVEL	SP	USCS POORLY–GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL–GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL–GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

SAMPLE LOCATIONS
SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
WATER LEVELS WERE COLLECTED IN OCTOBER 2016
APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)

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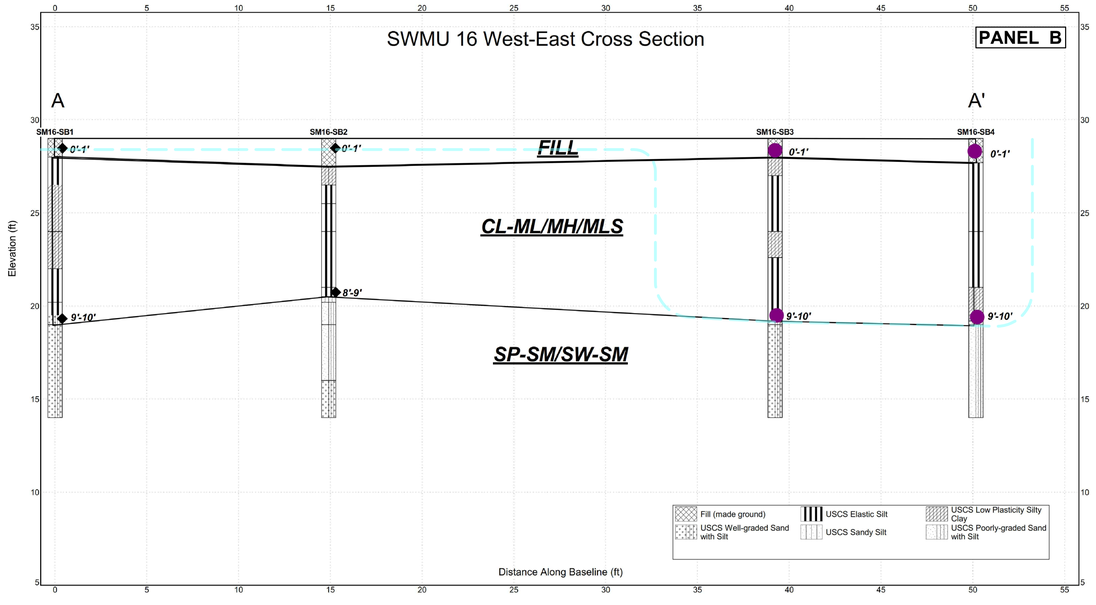
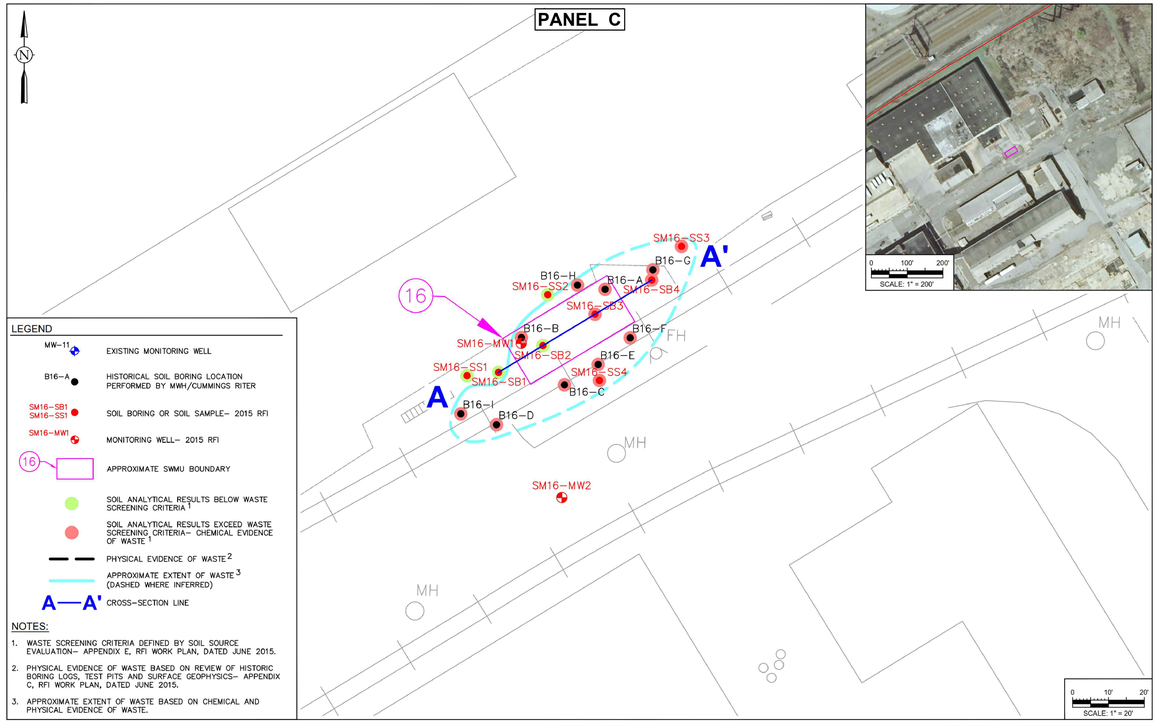
REVIEWED BY:	JPM

PLATE 4
SWMU 15
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016

FILE: \\JPHL-FS1\PROJECTS\VDW\WELL - CLAYMONT, DE\NORTH PLANT\2015 RFI RPT\CHEM (BIOSTATS\CAD\PANEL\SWMU 15\2016 SWMU 15 PLATE.DWG, DATE: 03/09/2016 Layout: Plate 4 SWMU 15 Soils Data and Waste Extent





PANEL A

SWMU 16

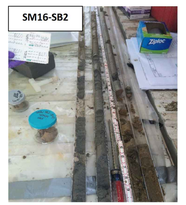
Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	193
Depth (ft)	0.5 - 10
Surficial Area (ft^2)	1,790
Volume (ft^3)	9,630

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
alpha-BHC	0.036	B16-A, B16-B, B16-C, B16-D, B16-E, B16-F, B16-G, B16-H, B16-I, SM16-SB3, SM16-SB3, SM16-SS3, SM16-SS4
beta-BHC	0.13	B16-A, B16-C, B16-F, B16-G, B16-I, SM16-SB4, SM16-SS3
1,2-Dichlorobenzene	218	B16-B
Ethylbenzene	155	B16-A
Naphthalene	0.47	B16-A
Trichloroethene	590	B16-A
m+p-Xylene	168	SM16-SB3

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	1,2-Dichloroethane	Tetrachloroethene
Arsenic	cis-1,2-Dichloroethene	Toluene
Benzene	1,1-Dichloroethene	1,2,4-Trichlorobenzene
beta-BHC	Ethylbenzene	1,1,1-Trichloroethane
Cobalt	Hexachlorobutadiene	1,1,2-Trichloroethane
Chloroform	Iron	Vinyl Chloride
1,2-Dichlorobenzene	Manganese	m+p-Xylene
1,4-Dichlorobenzene	Methylene Chloride	o-Xylene
1,1-Dichloroethane	Naphthalene	

SM16-SB2



SM16-SB3

CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

SAMPLE LOCATIONS
SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
WATER LEVELS WERE COLLECTED IN OCTOBER 2016
APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)

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CLAYMONT, DELAWARE

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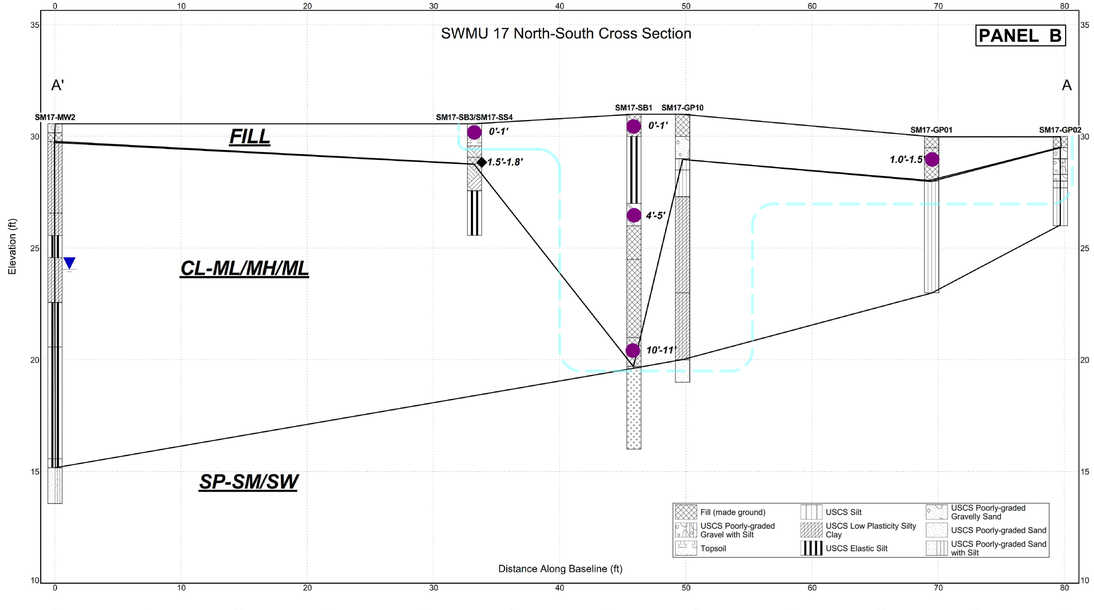
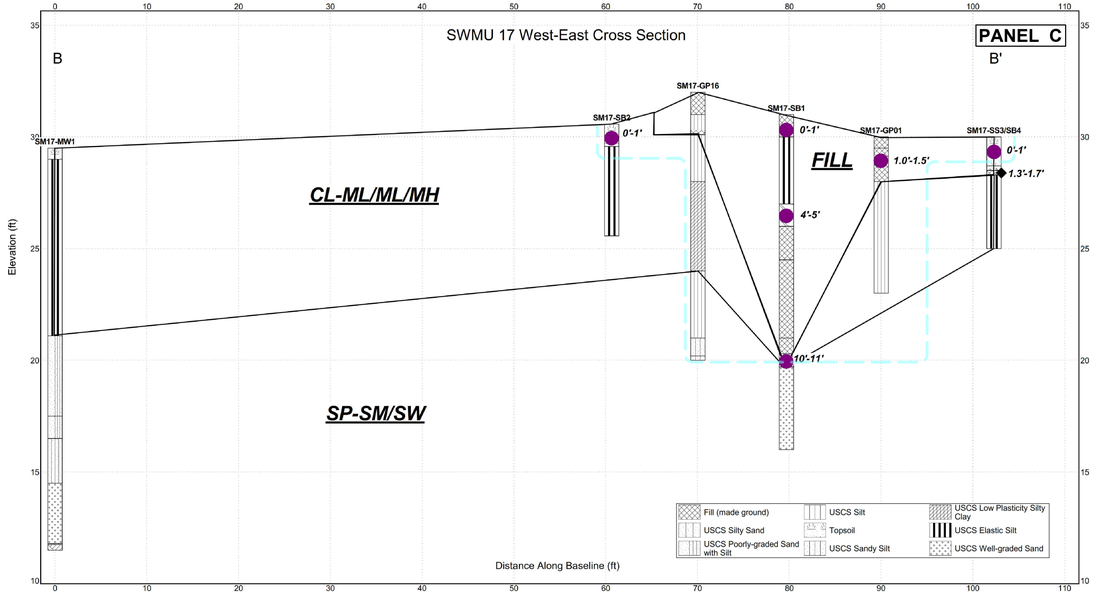
CHECKED BY:	JP
REVIEWED BY:	JPM

PLATE 5
SWMU 16
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016

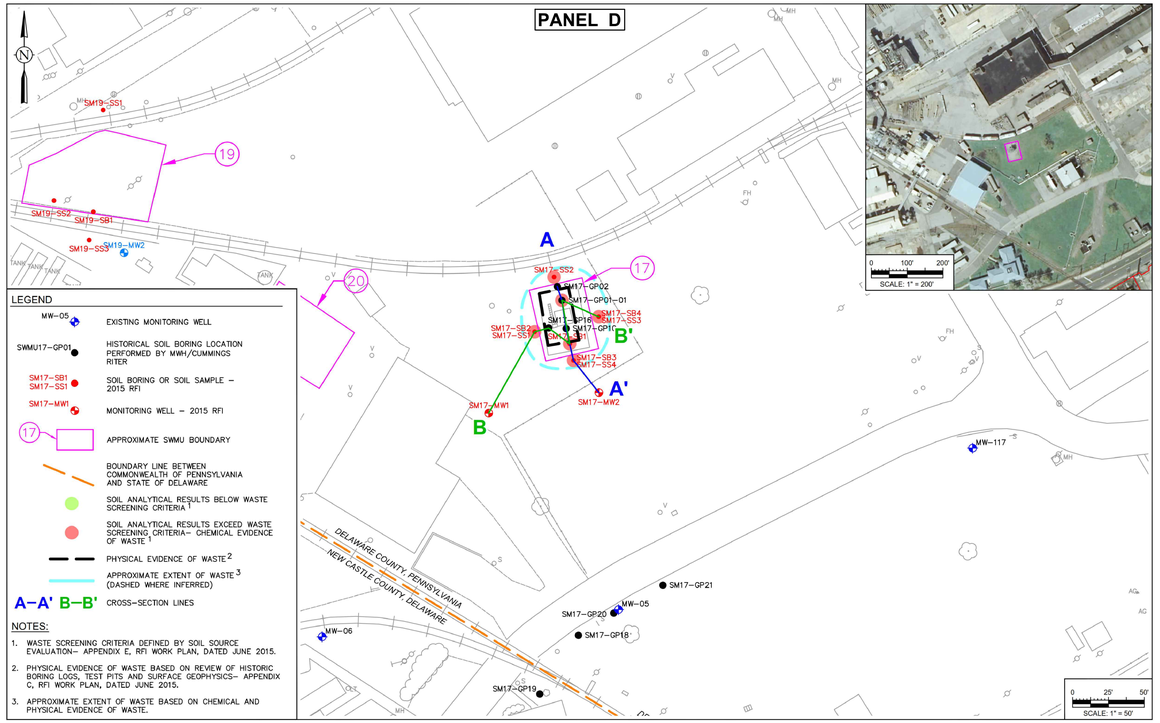




CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

- SAMPLE LOCATIONS
- SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
- WATER LEVELS WERE COLLECTED IN OCTOBER 2016
- APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)



PANEL A

SWMU 17

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	213
Depth (ft)	1 - 12
Surficial Area (ft^2)	3,550
Volume (ft^3)	21,880

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
alpha-BHC	0.036	SM17-GP01, SM17-SB1, SM17-SS2, SM17-SS3, SM17-SS4
Arsenic	290	SM17-GP01
beta-BHC	0.13	SM17-GP01, SM17-SB1, SM17-SB2, SM17-SS2, SM17-SS3, SM17-SS4
1,2-Dichlorobenzene	218	SM17-GP01, SM17-SB1
Ethylbenzene	155	SM17-GP01, SM17-SB1
Pyridine	5.3	SM17-GP01
Tetrachloroethene	111	SM17-GP01, SM17-SB1
m,p-Xylene	168	SM17-GP01, SM17-SB1
o-Xylene	190	SM17-GP01, SM17-SB1
Xylene (total)	168	SM17-GP01, SM17-SB1

Chemical Exceedance		
Alpha-BHC	4,4-DDE	Naphthalene
Arsenic	1,4-Dichlorobenzene	Tetrachloroethene
Benzene	1,1-Dichloroethene	1,2,4-Trichlorobenzene
Beta-BHC	cis-1,2-Dichloroethene	m+p-Xylene
Chlorobenzene	Ethylbenzene	o-Xylene
Chloroform	Iron	Xylenes (total)
4,4-DDD	Manganese	

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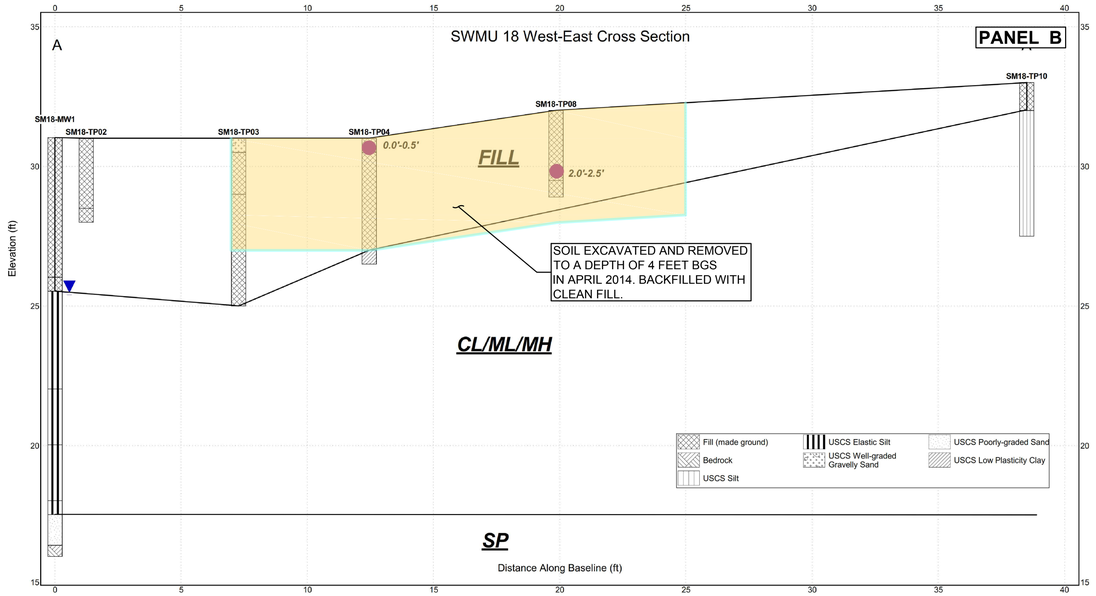
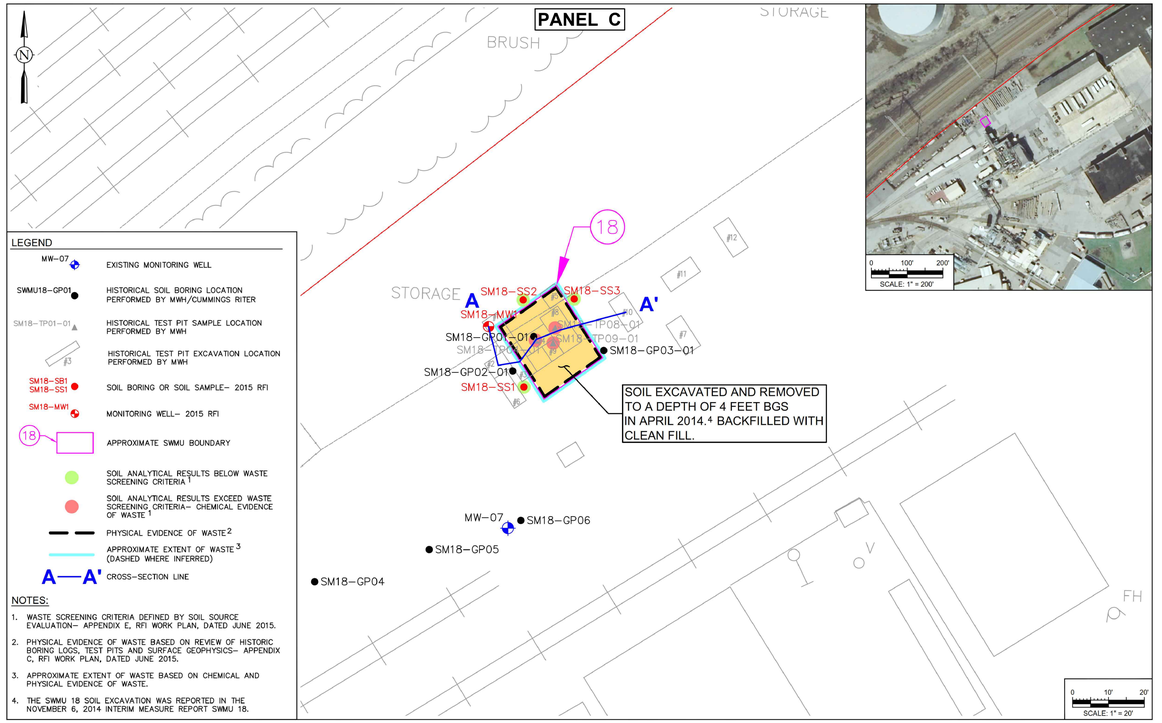
PREPARED BY: PJC
CHECKED BY: JP
REVIEWED BY: JPM

PLATE 6
SWMU 17
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.: 7772150016
REVISION NO.: 0
DATE: MARCH 2016

FILE: \\JPHL-FS1\PROJECTS\HONEYWELL - CLAYMONT, DE\NORTH PLANT\2015 RFI RPT\CHEM (BOSTS\CAD\PANELS\SWMU 17\2016 SWMU 17 PLATE.DWG, DATE: 03/09/2016 Layout: Plate 6 SWMU 17 Soils Data and Waste Extent





PANEL A

SWMU 18

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	213
Depth (ft)	4.0 – 4.5
Surficial Area (ft^2)	400
Volume (ft^3)	1,600

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
Benzo(a)anthracene	2100	SM18-TP04
Benzo(b)fluoranthene	2100	SM18-TP04
beta-BHC	0.13	SM18-TP04, SM18-TP08
2-Chlorophenol	20900	SM18-TP04
Dibenzo(a,h)anthracene	210	SM18-TP04
Dichlorophenoxy Acetic Acid, 2,4-initrotoluene	18	SM18-TP04
Naphthalene	0.47	SM18-TP04, SM18-TP08
Phenol	2600	SM18-TP04
Tetrachloroethene	111	SM18-TP04

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	Chlorobenzene	1,2-Dichloroethane
Arsenic	Chloroform	Gamma-BHC (lindane)
Benzene	4,4-DDD	Manganese
Beta-BHC	1,1-Dichloroethane	Tetrachloroethene
Carbon disulfide		

CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

SAMPLE LOCATIONS
SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA- CHEMICAL EVIDENCE OF WASTE
WATER LEVELS WERE COLLECTED IN OCTOBER 2016
APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)

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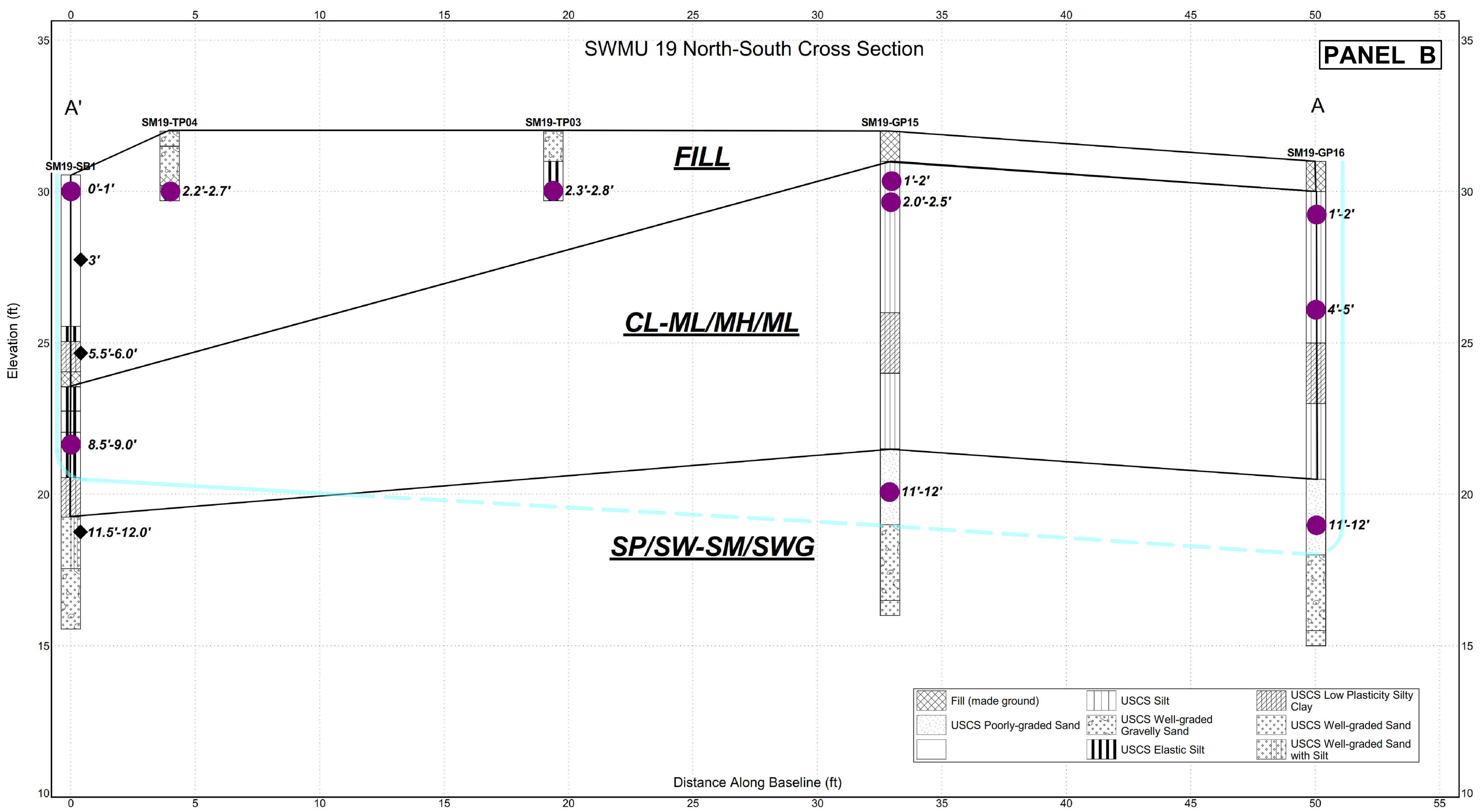
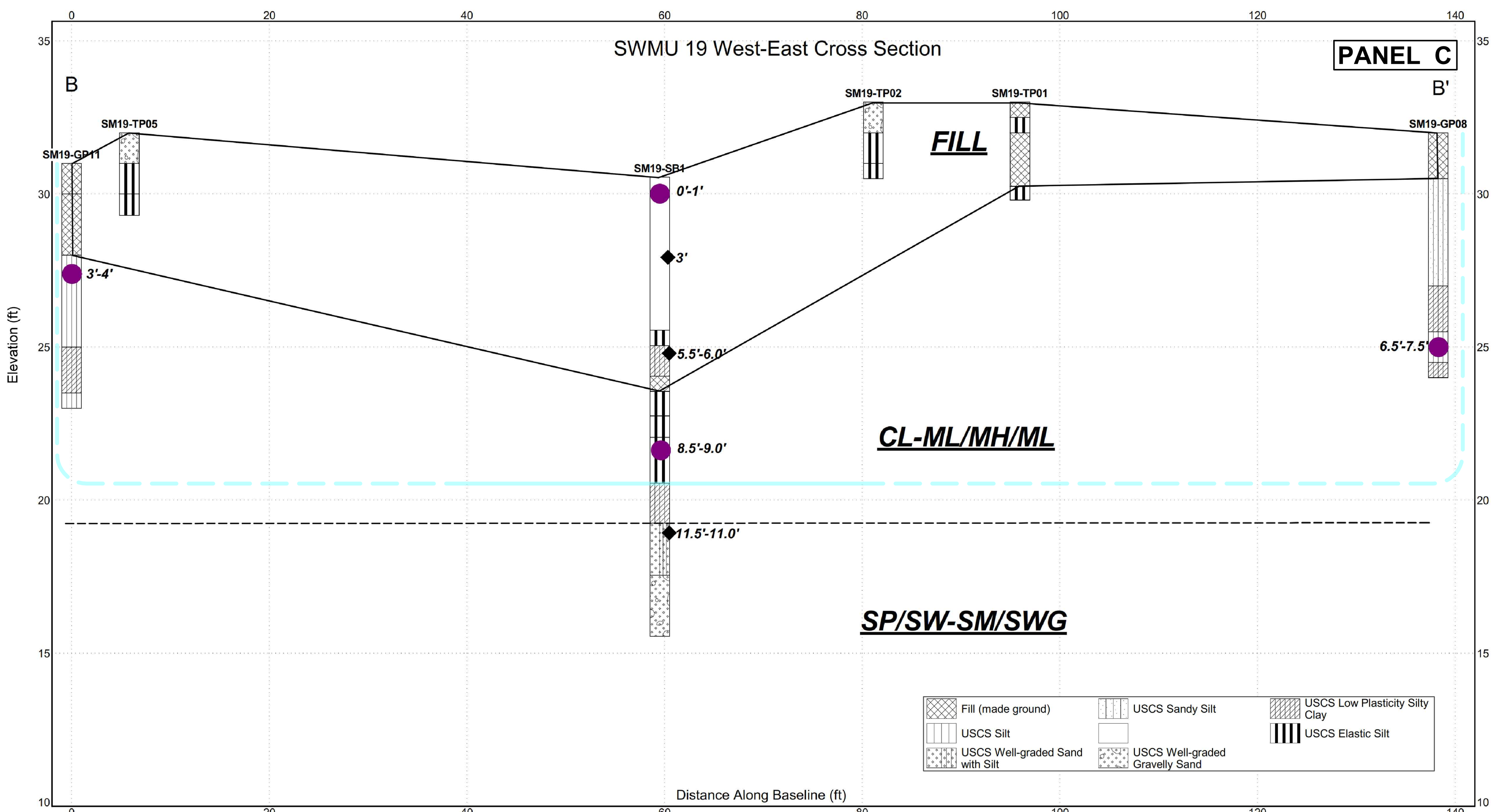
CHECKED BY:	JP
REVIEWED BY:	JPM

PLATE 7
SWMU 18
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

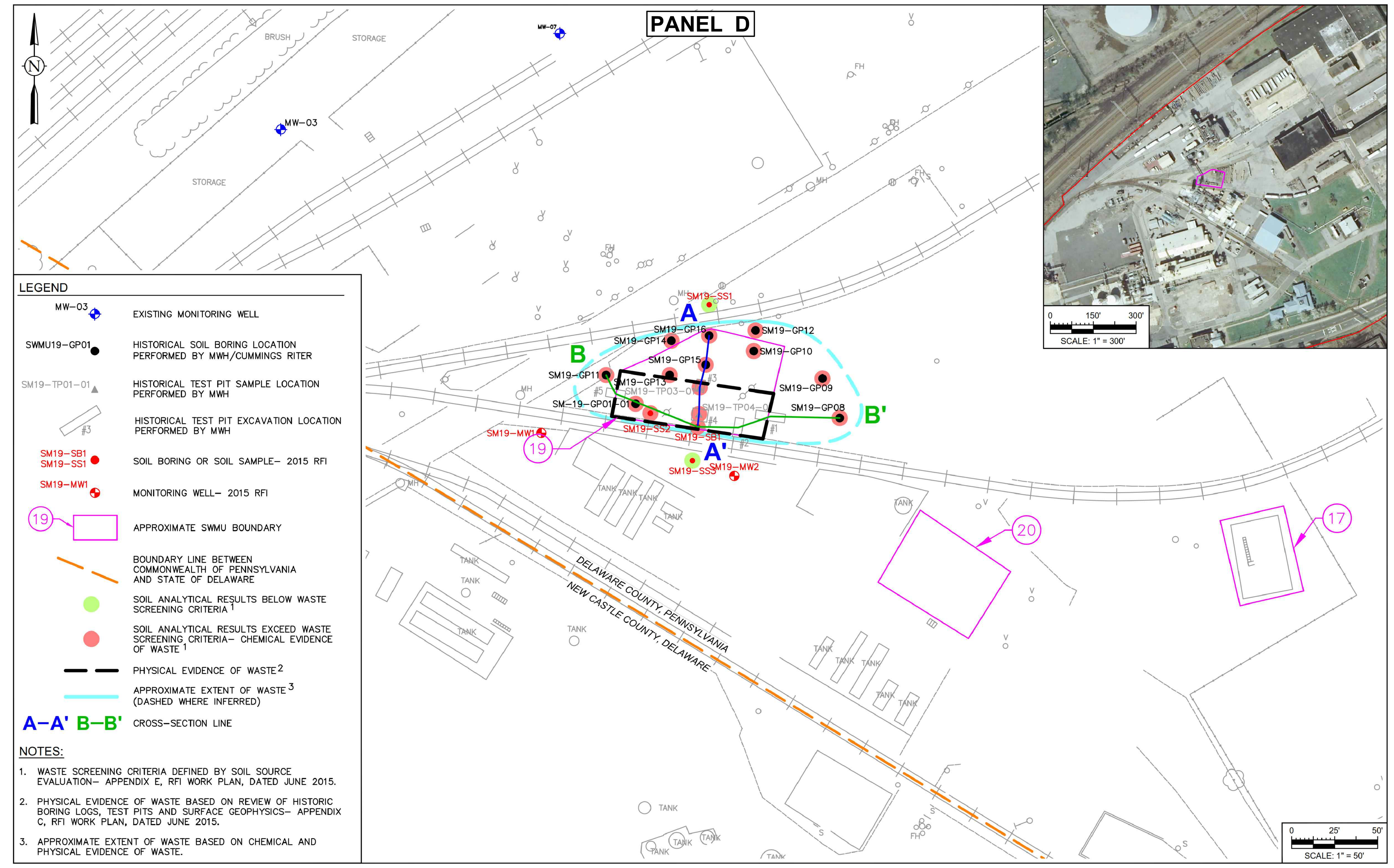
PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016





CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND	◆	SAMPLE LOCATIONS
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND	●	SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT	▼	WATER LEVELS WERE COLLECTED IN OCTOBER 2016
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND	—	APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT		
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND		
MLS	USCS SANDY SILT				



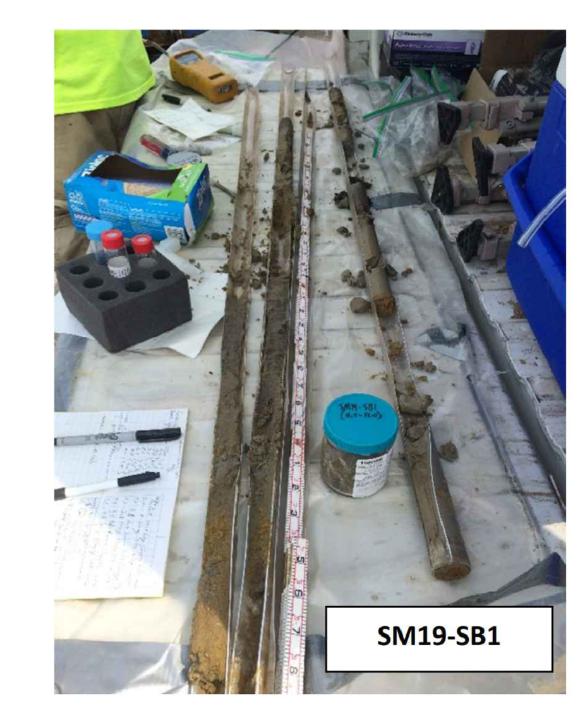
PANEL A

SWMU 19

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

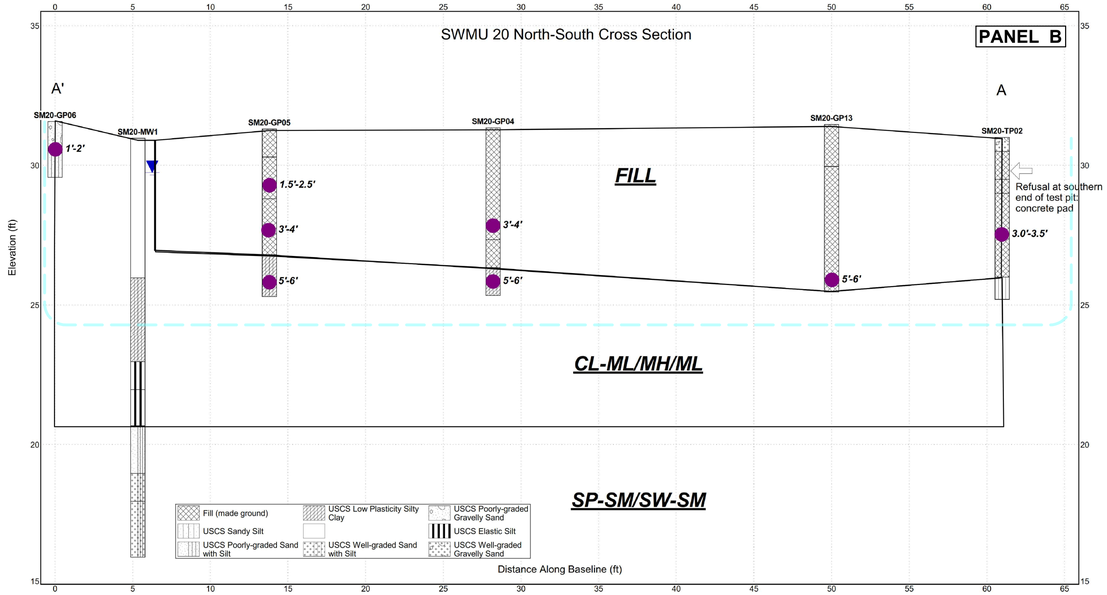
Waste Estimates	
Perimeter (ft)	393
Depth (ft)	13
Surficial Area (ft^2)	9,010
Volume (ft^3)	114,300

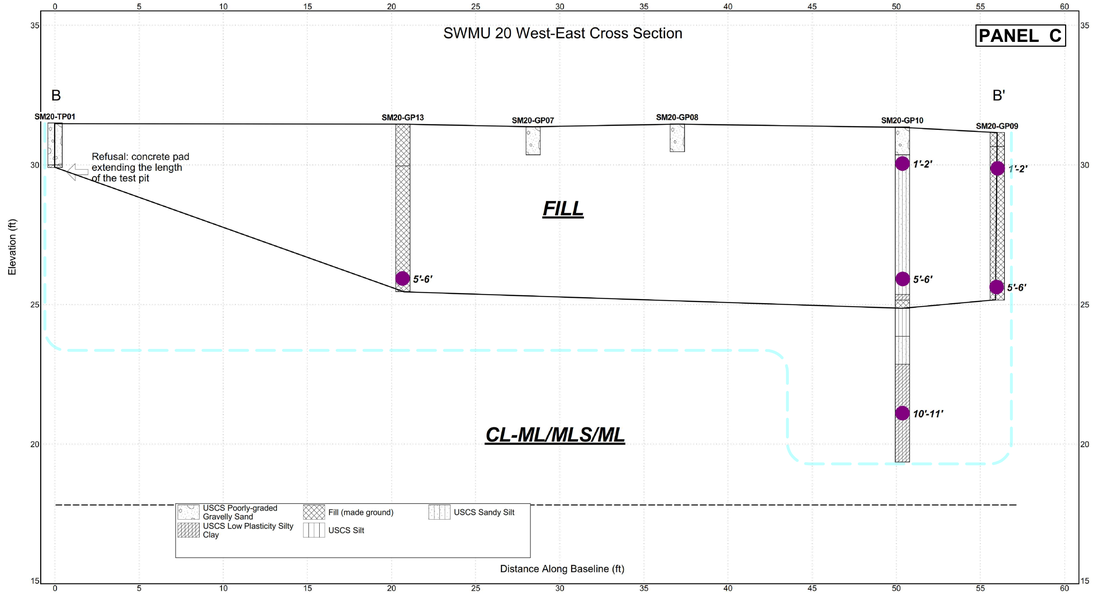
Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
alpha-BHC	0.036	SM19-GP06, SM19-GP10, SM19-GP13, SM19-GP15, SM19-GP16, SM19-TP03, SM19-TP04, SM19-SB1, SM19-SS02
beta-BHC	0.13	SM19-GP06, SM19-GP10, SM19-GP13, SM19-GP15, SM19-GP16, SM19-TP04
Chlorobenzene	288	SM19-GP10, SM19-GP15
Naphthalene	0.47	SM19-SB1
1,2,4-Trimethylbenzene	21	SM19-GP15

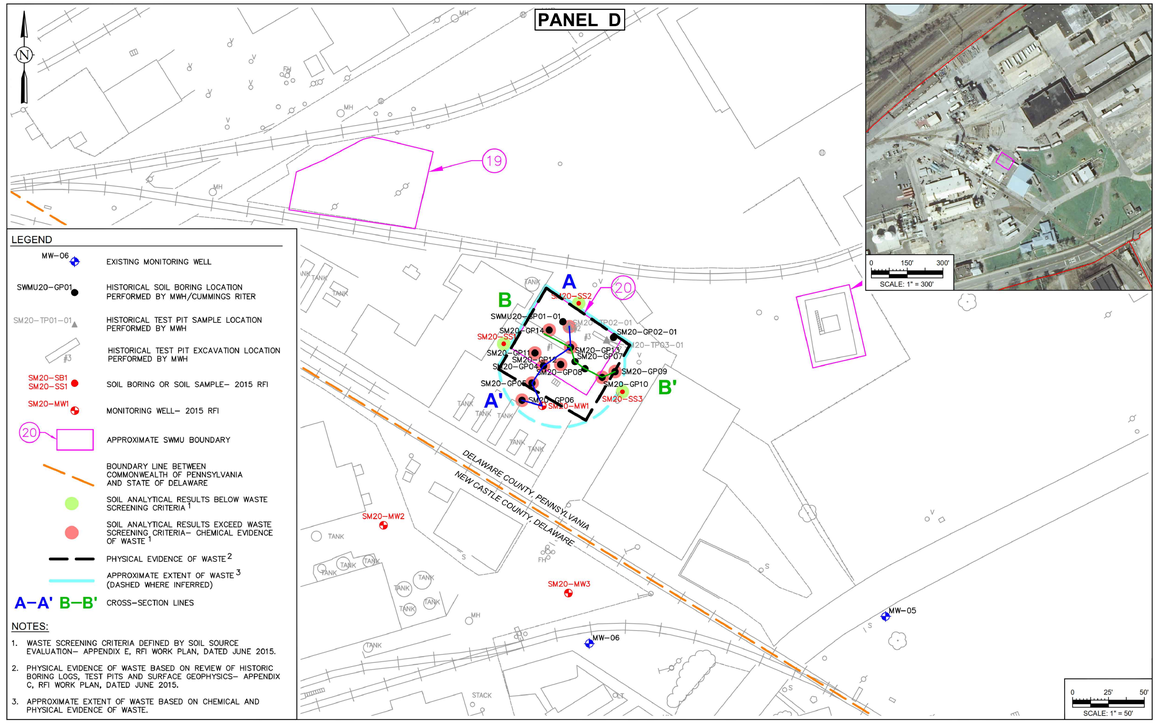


Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
alpha-BHC	Chlorobenzene	Methylene Chloride
Arsenic	Chloroform	2-Methylnaphthalene
Antimony	4,4-DDD	Naphthalene
beta-BHC	4,4-DDE	1,2,4,5 Tetrachlorobenzene
Benzene	cis-1,2-Dichloroethene	Tetrachloroethene
Benzo(a)anthracene	1,4-Dichlorobenzene	1,2,3-Trichlorobenzene
Benzo(b)fluoranthene	Ethylbenzene	1,2,4-Trichlorobenzene
beta-BHC	Iron	Trichloroethene
1,1'-Biphenyl	Lead	2,4,6-Trichlorophenol
Cobalt	Manganese	Vinyl Chloride

Honeywell DELAWARE VALLEY WORKS CLAYMONT, DELAWARE	Amec Foster Wheeler Environment and Infrastructure, Inc. 751 Arbor Way, Suite 180 Blue Bell, Pennsylvania 19422 (610) 828 - 8100	PREPARED BY: PJC CHECKED BY: JP REVIEWED BY: JPM	**PLATE 8** SWMU 19 SOILS DATA AND WASTE EXTENT DVW HONEYWELL - DELAWARE VALLEY WORKS CLAYMONT, DE	PROJECT NO.: 7772150016 REVISION NO.: 0 DATE: MARCH 2016







PANEL A

SWMU 20

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	291
Depth (ft)	12
Surficial Area (ft^2)	5,980
Volume (ft^3)	71,750

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
beta-BHC	0.13	SM20-GP04, SM20-GP05, SM20-GP10, SM20-GP14
Naphthalene	0.47	SM20-GP10, SM20-GP11, SM20-GP12, SM20-GP13, SM20-GP14

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Antimony	Cobalt	Indeno(1,2,3-cd)pyrene
Arsenic	4,4-DDD	Iron
Benzene	4,4-DDE	Manganese
Benzo(a)anthracene	4,4-DDT	Naphthalene
Beta-BHC	Dibenz(a,h)anthracene	1,2,4-Trichlorobenzene
Chlorobenzene	1,2-Dichlorobenzene	Trichloroethene
Chloroform	cis-1,2-Dichloroethene	Vinyl Chloride

CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY–GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY–GRADED SAND WITH SILT
GP	USCS POORLY–GRADED GRAVEL	SP	USCS POORLY–GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL–GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL–GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

SAMPLE LOCATIONS
SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
WATER LEVELS WERE COLLECTED IN OCTOBER 2016
APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)

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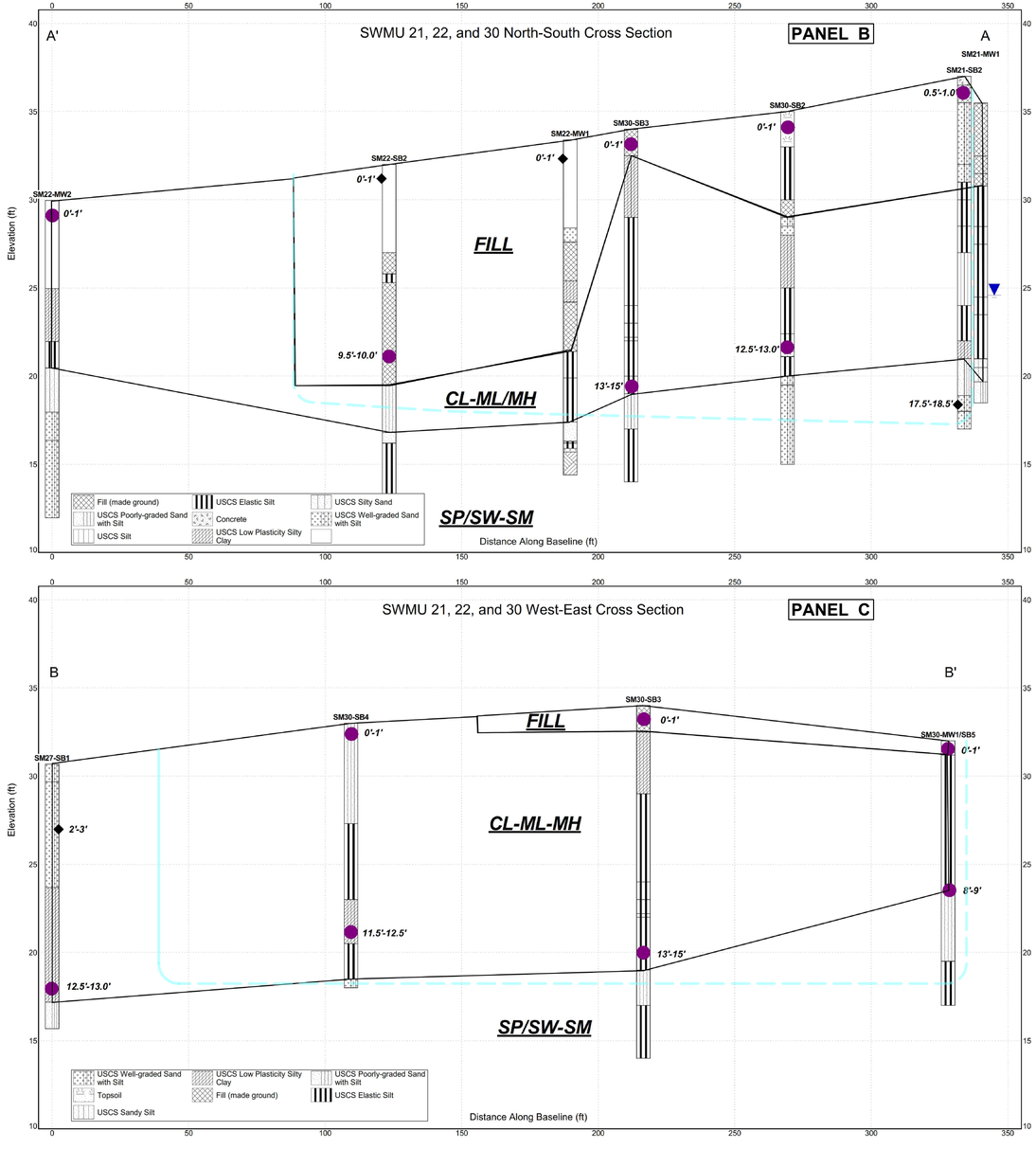
REVIEWED BY:	JPM

PLATE 9
SWMU 20
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016

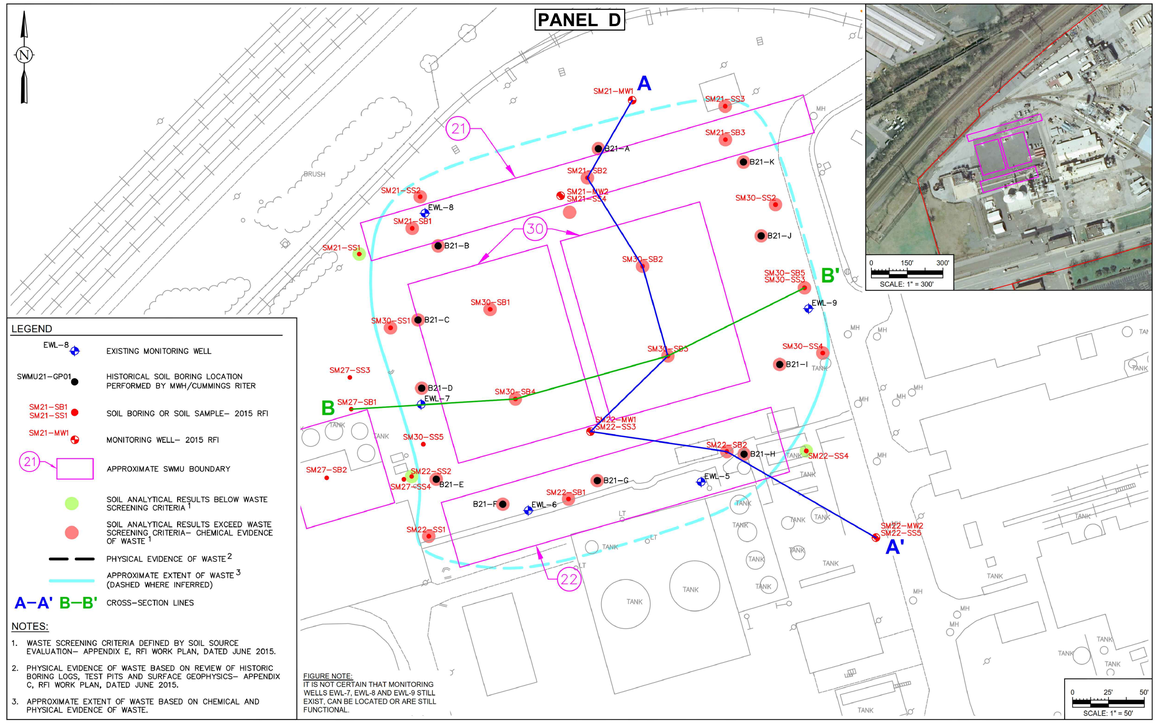
FILE: \\JPHL-FS1\PROJECTS\HONEYWELL - CLAYMONT, DE\NORTH PLANT\2015 RFI RPT\CHEM (BASES\CAD\PANELS\SWMU 20\2016 SWMU 20 PLATE.DWG, DATE: 03/09/2016 Layout: Plate 9 SWMU 20 Soils Data and Waste Extent



CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

- SAMPLE LOCATIONS
- SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA-- CHEMICAL EVIDENCE OF WASTE
- WATER LEVELS WERE COLLECTED IN OCTOBER 2016
- APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)



LEGEND

- EWL-8 — EXISTING MONITORING WELL
- SWMU21-GP01 — HISTORICAL SOIL BORING LOCATION PERFORMED BY MWH/CUMMINGS RITER
- SM21-SB1 SM21-SS1 — SOIL BORING OR SOIL SAMPLE– 2015 RFI
- SM21-MW1 — MONITORING WELL– 2015 RFI
- 21 — APPROXIMATE SWMU BOUNDARY
- SOIL ANALYTICAL RESULTS BELOW WASTE SCREENING CRITERIA [1]
- SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE [1]
- PHYSICAL EVIDENCE OF WASTE [2]
- APPROXIMATE EXTENT OF WASTE [3] (DASHED WHERE INFERRED)
- A–A' B–B' — CROSS–SECTION LINES

NOTES:

1. WASTE SCREENING CRITERIA DEFINED BY SOIL SOURCE EVALUATION– APPENDIX E, RFI WORK PLAN, DATED JUNE 2015.
2. PHYSICAL EVIDENCE OF WASTE BASED ON REVIEW OF HISTORIC BORING LOGS, TEST PITS AND SURFACE GEOPHYSICS– APPENDIX C, RFI WORK PLAN, DATED JUNE 2015.
3. APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE.

FIGURE NOTE:
IT IS NOT CERTAIN THAT MONITORING WELLS EWL-7, EWL-8 AND EWL-9 STILL EXIST. CAN BE LOCATED OR ARE STILL FUNCTIONAL.

PANEL A

SWMU 21, 22, 30

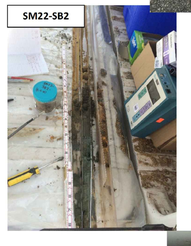
Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	1,055
Depth (ft)	16 - 20
Surficial Area (ft^2)	81,110
Volume (ft^3)	1,216,650

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
alpha-BHC	0.036	B21-A, B21-B, B21-C, B21-D, B21-E, B21-F, B21-G, B21-H, B21-I, B21-J, B21-K, SM21-SB1, SM21-SB2, SM21-SB3, SM21-SS2, SM21-SS3, SM21-SS4, SM22-SB1, SM22-SB2, SM22-MW2, SM30-SB1, SM30-SB2, SM30-SB3, SM30-SB4, SM30-SB5, SM30-SS1, SM30-SS2, SM30-SS4, SM30-SS5
4-Aminobiphenyl	0.013	B21-A, B21-B, B21-C, B21-D, B21-E, B21-F, B21-G, B21-H, B21-I, B21-J, B21-K
beta-BHC	0.13	B21-A, B21-B, B21-C, B21-D, B21-E, B21-F, B21-G, B21-H, B21-I, B21-J, B21-K, SM21-SB1, SM21-SB2, SM21-SB3, SM21-SS2, SM21-SS3, SM21-SS4, SM22-SB1, SM22-SB2, SM22-SS1, SM22-MW2, SM30-SB1, SM30-SB2, SM30-SB3, SM30-SB4, SM30-SB5, SM30-SS1, SM30-SS2, SM30-SS3, SM30-SS4, SM30-SS5
2,6-Dinitrotoluene	0.058	B21-A, B21-B, B21-C, B21-D, B21-E, B21-F, B21-G, B21-H, B21-I, B21-J, B21-K
gamma-BHC (Lindane)	1.2	B21-A, B21-E, B21-F, B21-G, SM22-SB2
Naphthalene	0.47	B21-B, B21-C, B21-F

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
alpha-BHC	4,4-DDD	Manganese
Antimony	4,4-DDE	Methylene Chloride
Arsenic	4,4-DDT	Naphthalene
Benzo(a)anthracene	Dibenz(a,h)anthracene	1,2,4,5-Tetrachlorobenzene
Benzene	1,4-Dichlorobenzene	Tetrachloroethene
Beta-BHC	gamma-BHC	1,2,4-Trichlorobenzene
Cobalt	Iron	Trichloroethene
Chloroform		


SM21-SB1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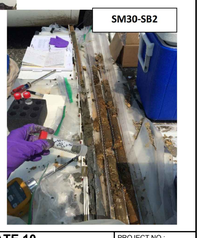
SM30-SB2

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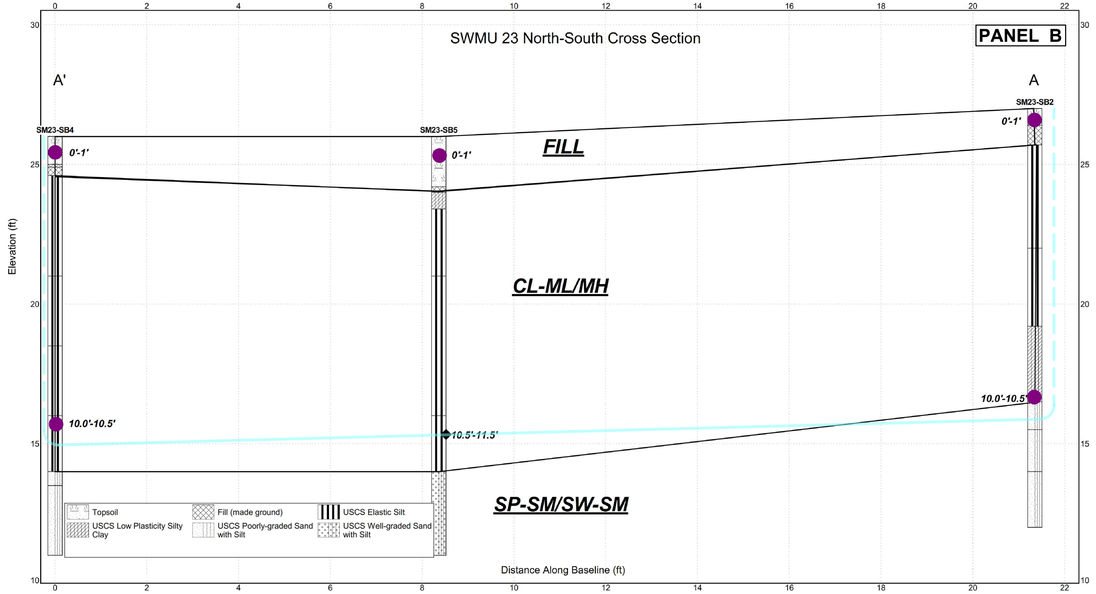
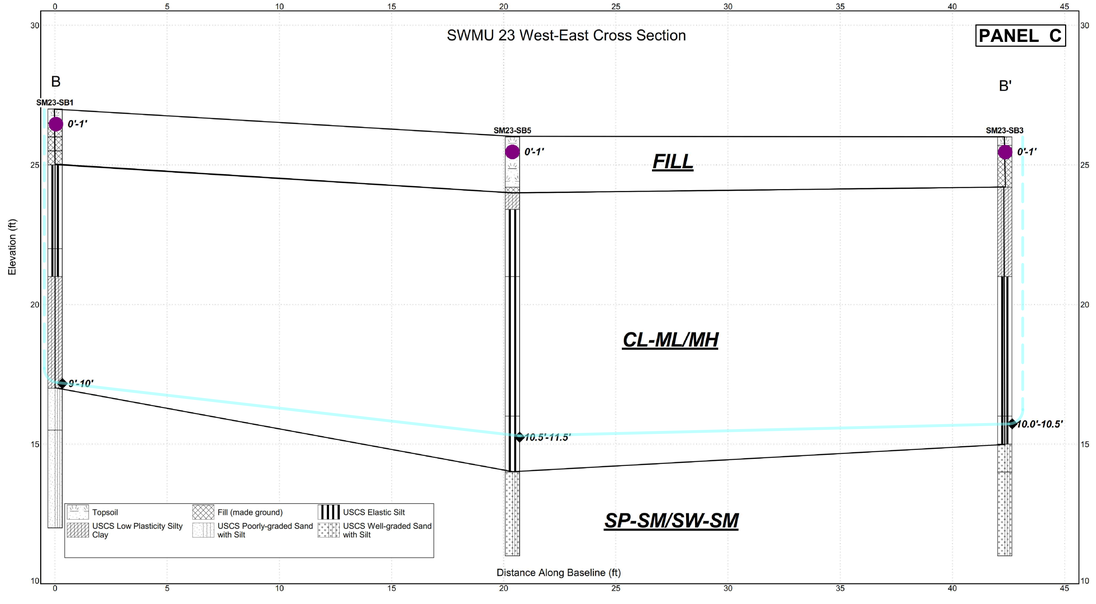
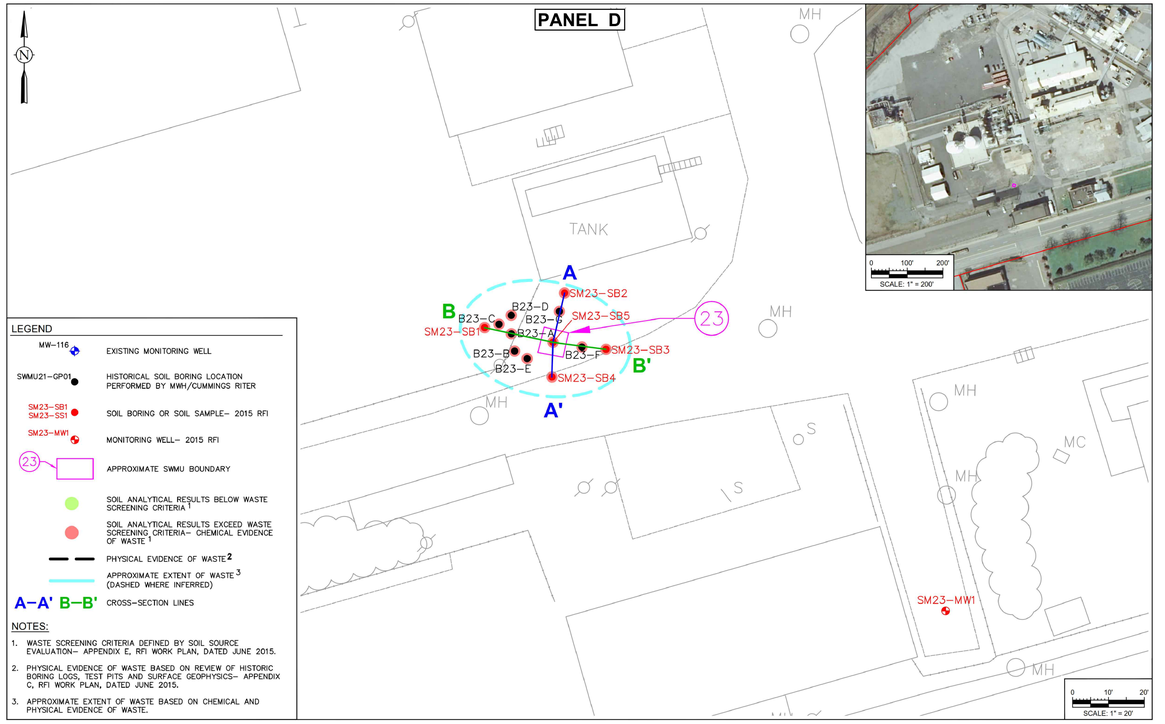
PREPARED BY:	PJC
CHECKED BY:	JP
REVIEWED BY:	JPM

PLATE 10
SWMU 21, 22 and 30
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016







PANEL A

SWMU 23

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	127
Depth (ft)	11
Surficial Area (ft^2)	1,210
Volume (ft^3)	12,850

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
Arsenic	290	B23-A, B23-B, B23-E, B23-F
alpha-BHC	0.036	B23-A, B23-B, B23-C, B23-D, B23-E, B23-F, B23-G, SM23-SB1, SM23-SB2, SM23-SB3, SM23-SB4, SM23-SB5
beta-BHC	0.13	B23-A, B23-B, B23-C, B23-D, B23-E, B23-F, B23-G, SM23-SB1, SM23-SB2, SM23-SB3, SM23-SB4, SM23-SB5
gamma-BHC (Lindane)	1.2	B23-A, B23-B, B23-C, B23-D, B23-E, B23-F, B23-G
Mercury	100	B23-A, B23-F
Naphthalene	0.47	B23-A, B23-B, B23-C, B23-D, B23-E, B23-F

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	Chloroform	4,4-DDT
Antimony	Cobalt	Tetrachloroethene
Benzo(b)fluoranthene	4,4-DDD	Trichloroethene
Beta-BHC	4,4-DDE	Vinyl Chloride

SM23-SB1

CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY–GRADED GRAVELLY SAND
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY–GRADED SAND WITH SILT
GP	USCS POORLY–GRADED GRAVEL	SP	USCS POORLY–GRADED SAND
ML	USCS SILT	SW-SM	USCS WELL–GRADED SAND WITH SILT
MH	USCS ELASTIC SILT	SWG	USCS WELL–GRADED GRAVELLY SAND
MLS	USCS SANDY SILT		

SAMPLE LOCATIONS
SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
WATER LEVELS WERE COLLECTED IN OCTOBER 2016
APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)

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CLAYMONT, DELAWARE

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PLATE 11
SWMU 23
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

PROJECT NO.: 7772150016
REVISION NO.: 0
DATE: MARCH 2016

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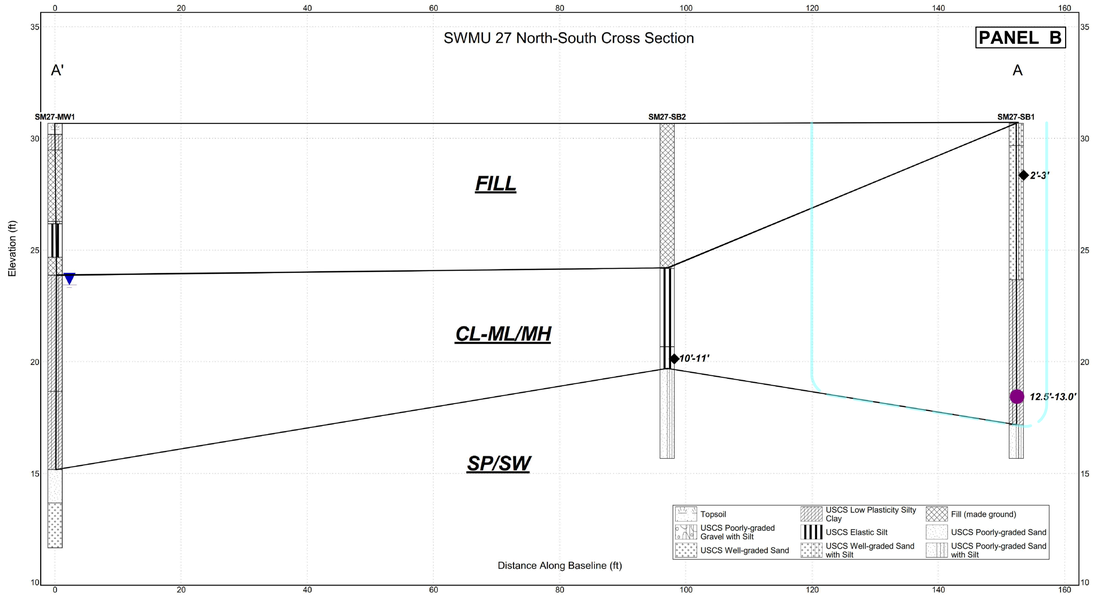
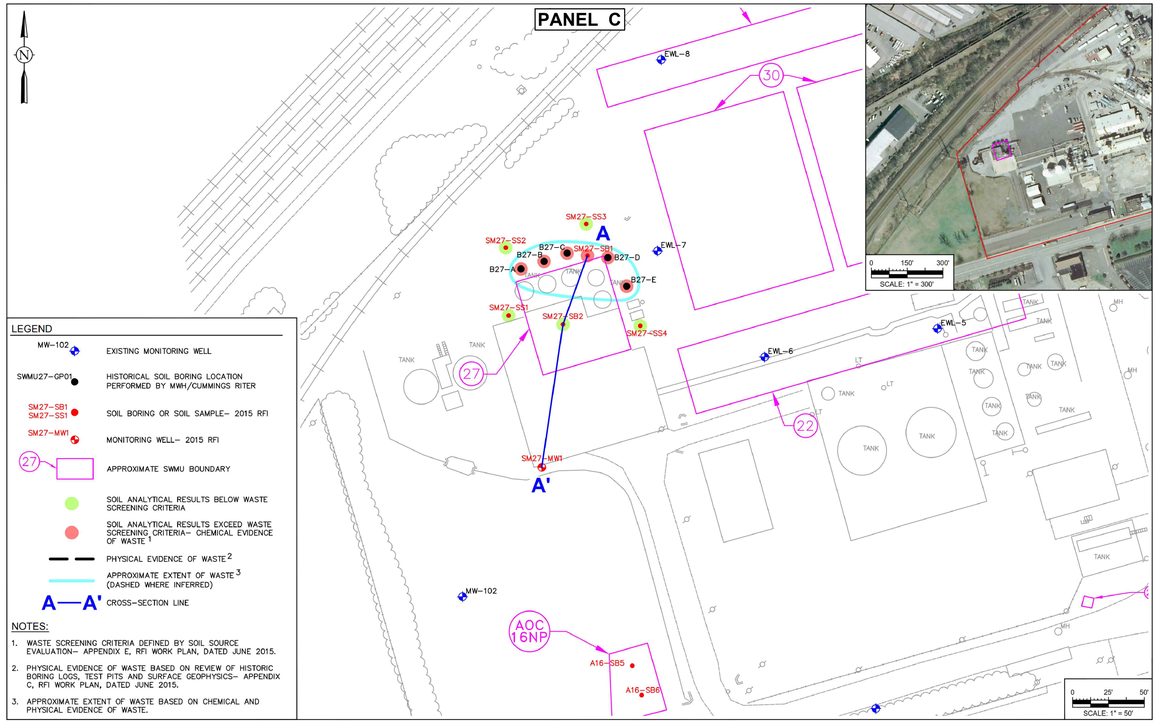




PANEL A

SWMU 27

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

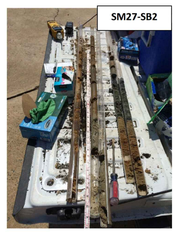
Waste Estimates	
Perimeter (ft)	217
Depth (ft)	13
Surficial Area (ft^2)	12,920
Volume (ft^3)	162,500

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
beta-BHC	0.13	B27-B, B27-D, B27-E, B27-SB1

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	Cobalt	4,4-DDT
Benzene	4,4-DDD	Manganese
Beta-BHC	4,4-DDE	1,2,4- Trichlorobenzene

SM27-MW01-6'-8'

SM27-SB2



CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND	◆	SAMPLE LOCATIONS
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND	●	SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA– CHEMICAL EVIDENCE OF WASTE
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT	▼	WATER LEVELS WERE COLLECTED IN OCTOBER 2016
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND		APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT		
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND		
MLS	USCS SANDY SILT				

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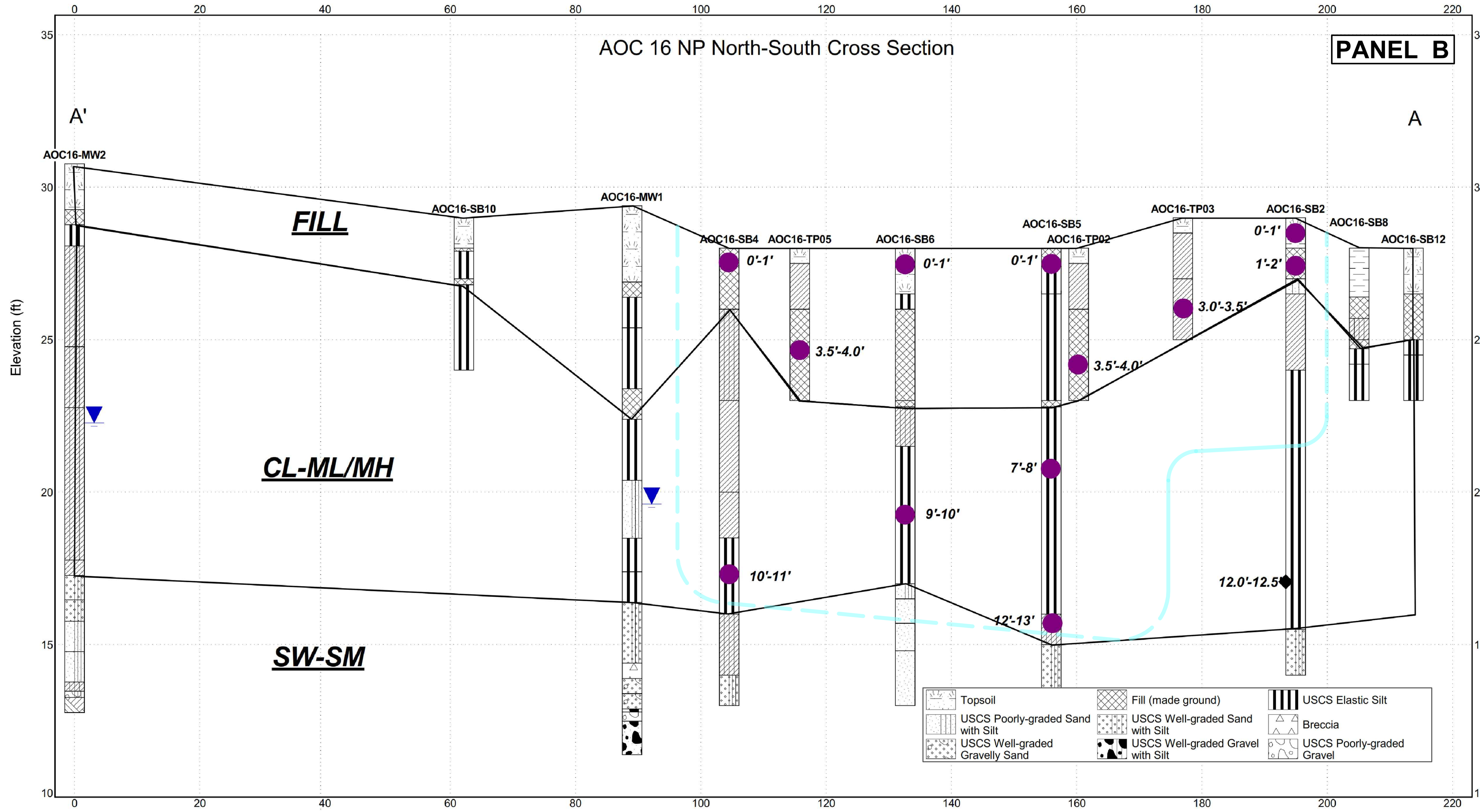
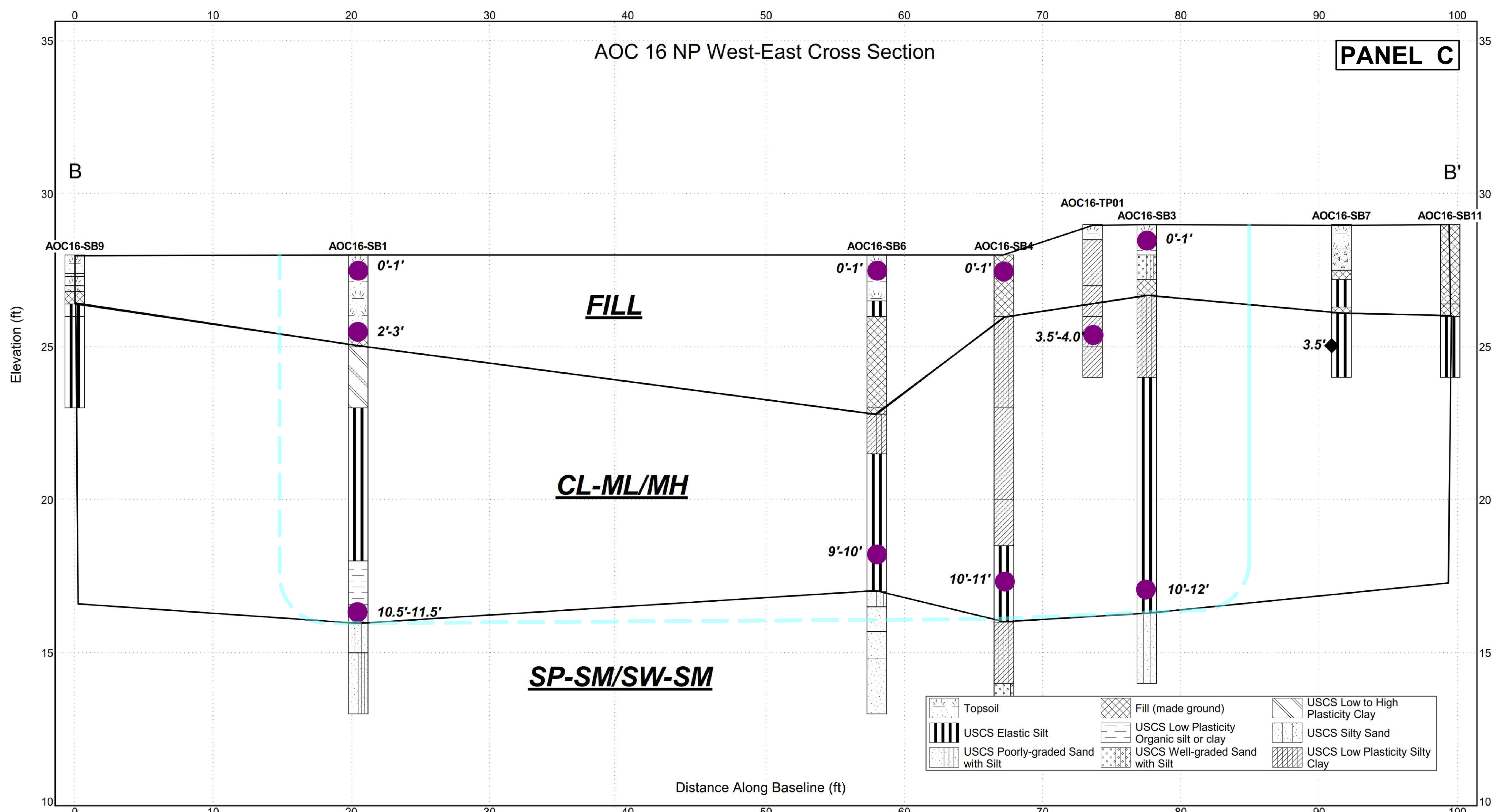
REVIEWED BY:	JPM

PLATE 12
SWMU 27
SOILS DATA AND WASTE EXTENT
DVW
HONEYWELL - DELAWARE VALLEY WORKS
CLAYMONT, DE

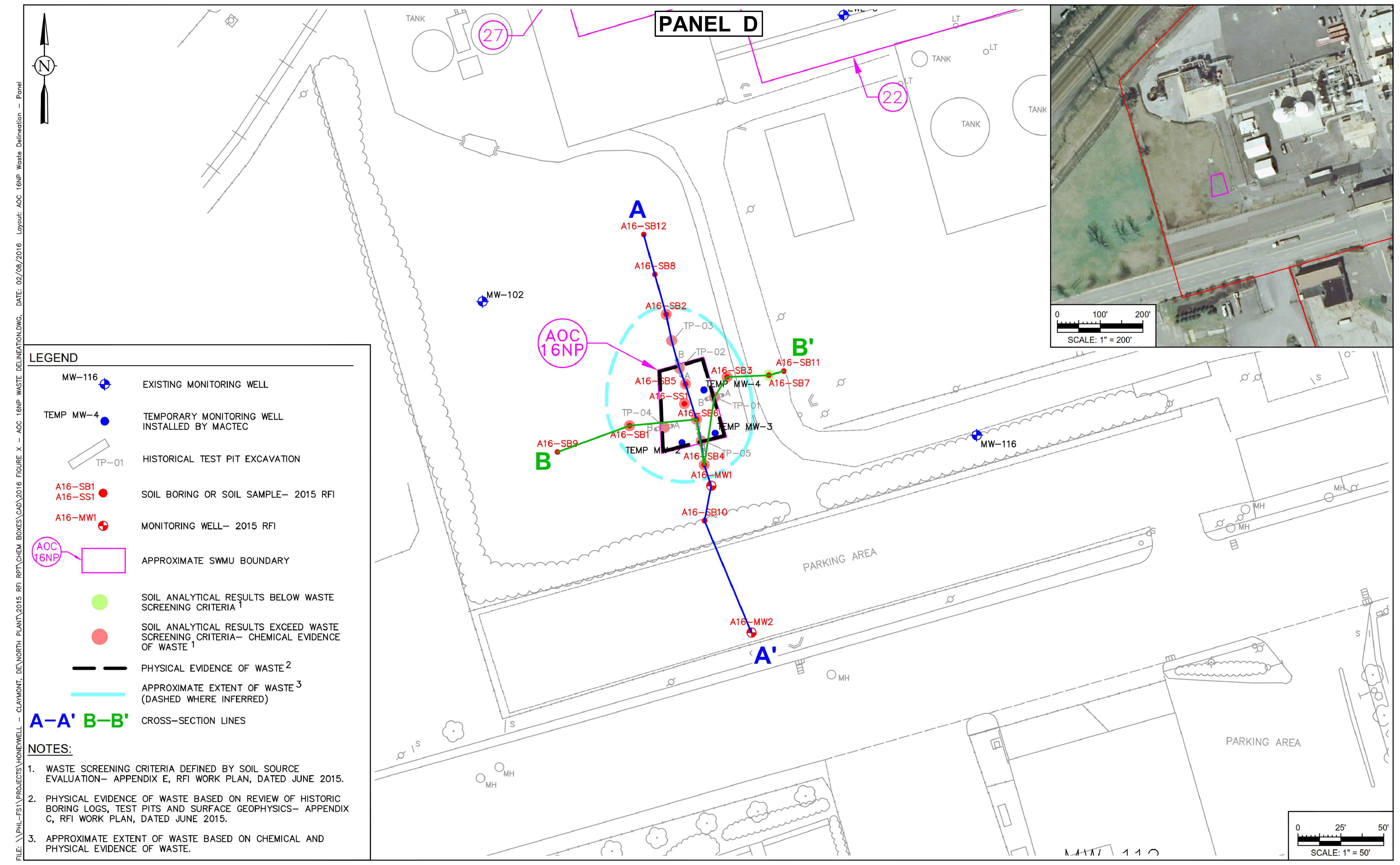
PROJECT NO.:	7772150016
REVISION NO.:	0
DATE:	MARCH 2016





CROSS-SECTIONS LEGEND

CL	USCS LOW PLASTICITY CLAY	SM	USCS SILTY SAND	◆	SAMPLE LOCATIONS
CL-ML	USCS LOW PLASTICITY SILTY CLAY	SPG	USCS POORLY-GRADED GRAVELLY SAND	●	SOIL ANALYTICAL RESULTS EXCEED WASTE SCREENING CRITERIA- CHEMICAL EVIDENCE OF WASTE
CH	USCS HIGH PLASTICITY CLAY	SP-SM	USCS POORLY-GRADED SAND WITH SILT		
GP	USCS POORLY-GRADED GRAVEL	SP	USCS POORLY-GRADED SAND	▼	WATER LEVELS WERE COLLECTED IN OCTOBER 2016
ML	USCS SILT	SW-SM	USCS WELL-GRADED SAND WITH SILT		
MH	USCS ELASTIC SILT	SWG	USCS WELL-GRADED GRAVELLY SAND		APPROXIMATE EXTENT OF WASTE BASED ON CHEMICAL AND PHYSICAL EVIDENCE OF WASTE (DASHED WHERE INFERRED)
MLS	USCS SANDY SILT				



PANEL A

AOC 16 NP

Work Plan Objective	Achieved?
Collection of remaining data necessary to delineate waste and the release of hazardous constituents at SWMUs and AOCs, necessary to evaluate human health and environmental risk, and to support selection of corrective measures at SWMUs as noted in the March 2014 Corrective Action Framework Technical Memorandum.	Sufficiently Complete for Evaluation of Corrective Measures
Collection of groundwater data necessary to support a Current Human Exposures Under Control Environmental Indicator (EI) status of "Yes".	Yes
Collection of groundwater data necessary to support a Migration of Contaminated Groundwater Under Control EI status of "Yes".	Yes
Completion of a Human Health Risk Assessment (RA) to provide the decisional basis for USEPA selection of corrective measures.	Yes

Waste Estimates	
Perimeter (ft)	295
Depth (ft)	13
Surficial Area (ft^2)	6,770
Volume (ft^3)	77,380

Soil Source Evaluation Chemicals	Chemical Evidence of Waste Concentration (mg/kg)	Locations
alpha-BHC	0.036	AOC16-TP-01, AOC16-TP-02, AOC16-TP-03, AOC16-TP-04, AOC16-TP-05, AOC16-SB1, AOC16-SB2, AOC16-SB3, AOC16-SB4, AOC16-SB5, AOC16-SB6
beta-BHC	0.13	AOC16-TP-01, AOC16-TP-02, AOC16-TP-03, AOC16-TP-04, AOC16-TP-05, AOC16-SB1. AOC16-SB2, AOC16-SB3, AOC16-SB4, AOC16-SB5, AOC16-SB6
Chlorobenzene	288	AOC16-TP-04
4,4'-DDT	7000	AOC16-TP-04,AOC16-SB5
gamma-BHC (Lindane)	1.2	AOC16-TP-01, AOC16-TP-02, AOC16-TP-04, AOC16-TP-05, AOC16-SB2, AOC16-SB4, AOC16-SB5, AOC16-SB6
Iron	270,000	AOC16-TP-02, AOC16-TP-03, AOC16-SB2

Analytes that Exceed Both the Soil RSSLs/MSSLs and the Groundwater RSLs		
Alpha-BHC	4,4-DDD	Manganese
Benzene	4,4-DDT	Tetrachloroethene
Beta-BHC	1,4-Dichlorobenzene	1,2,4 Trichlorobenzene
Cadmium	Gamma-BHC	Trichloroethene
Chlorobenzene	Iron	Zinc
Cobalt		

Honeywell DELAWARE VALLEY WORKS CLAYMONT, DELAWARE	Amec Foster Wheeler Environment and Infrastructure, Inc. 751 Arbor Way, Suite 180 Blue Bell, Pennsylvania 19422 (610) 828 - 8100	PREPARED BY: PJC CHECKED BY: JP REVIEWED BY: JPM	PLATE 13 AOC 16NP SOILS DATA AND WASTE EXTENT DVW HONEYWELL - DELAWARE VALLEY WORKS CLAYMONT, DE	PROJECT NO.: 7772150016 REVISION NO.: 0 DATE: MARCH 2016